Kenyon Candidates

Science, Technology, Engineering and Mathematics

Career Development Office
Kenyon

Mendaka Bineth “Benny” Abeysekera

New York, NY | abeysekera1@kenyon.edu | 917-754-2862

Neuroscience student with an interest in a holistic and future oriented understanding of science. Seeking positions in the fields of data analysis and AI development. Passionate about storytelling through data, sustainable use and development of AI, and finding unique solutions to problems.

Education

Kenyon College **Expected May 2025**

Bachelor of Arts in Neuroscience, Minor in Statistics *Gambier, OH*

- Scholarships: Kenyon STEM Scholarship - Awarded to students based on academics, motivation, and potential for academic success in STEM fields.

Stuyvesant High School **September 2017 - June 2021**

High School Diploma *New York, NY*

Google Data Analytics Professional Certificate **August 2023**

- Obtained a cursory understanding of several data analysis tools such as SQL, R, Excel, and Tableau.
- Learned how to visualize and present data findings in commonly used visualization platforms and how to clean and organize data for further analysis.

Experience

Two Somethin’ LLC **June - August 2024**

Web Development Intern *New York, NY*

- Contributed to the launch of Talky AI, an AI-powered phone service for appointment booking and customer support.
- Tailored solutions to meet the operational needs of three businesses, enhancing functionality and user satisfaction.
- Designed a framework for fine-tuning a large language model (LLM) to streamline API integration processes.

Yakera **June - August 2022**

Communications Intern *Remote*

- Collaborated with the Communications department to help in the creation of blog posts that highlighted underrepresented people in South America.
- Worked to create a special LGBTQ statement during pride month and highlighted specific LGBTQ focused campaigns.

Kenyon College Men’s Basketball Team (NCAA Division III) **October 2021 - February 2022**

Team Manager *Gambier, OH*

- Provided statistical analysis for the basketball team regarding team and opponents’ performance.
- Assisted during practices, recorded stats during games, videotaped practice plays, and kept track of equipment during travel.
- Created scouting reports on opposition in the conference by comparing data between teams and brainstorming strategies using data driven decisions on game play.

Verité Research (Independent Interdisciplinary Think Tank) **July 2019 - August 2019**

Media Intern *Colombo, Sri Lanka*

- Researched past Sri Lankan newspapers and examined trends in reporting biases of specific incidents to create reports for independent clients.
- Observed an uptick in talk of transportation development in newspapers and documented and reported findings to clients.
- Worked with a team to create a weekly newspaper analysis for independent clients.

Projects

Infoverity **December 2023 - January 2024**

Mentored by Anibel Neill Consultant, Data Governance & Analytics *Remote*

- Completed a 20 hour mock project with Anibel Neill at Infoverity to create a website prototype using Figma for clients requests.
- Gathered concerns from clients including users of the website creating a prototype that could fulfill their needs.
- Presented a pitch for the website with mentors and clients for feedback and review.

Skills

Technical Languages: HTML, Python, NetLogo, RStudio, Excel, SQL

Adam Blum

adamspiroblum@gmail.com | 484-433-7596 | linkedin.com/in/adam-blum-90961829a

Professional Summary

Passionate student of the sciences with a foundation in mathematics, physics, machine learning, and simulation. Skilled in Pytorch, CUDA C++, and Mathematica with proven ability to learn quickly and apply skills to new concepts. Seeking opportunities to contribute to innovative projects in machine learning and applied mathematics.

Education

Kenyon College; GPA 3.85 — May 2025
Mathematics major; Physics minor; Computing concentration — Gambier, OH

- Honors: Distinction on Senior Capstone Project in Mathematics, Pi Mu Epsilon Mathematics Honors Society, Sigma Pi Sigma Physics Honors Society, Sigma Xi Research Honors Society.
- Relevant Coursework: Astrophysics and Particles, Partial Differential Equations, Real Analysis, Quantum Mechanics, Data Structures and Program Design, Electricity and Magnetism.

Research

Student Researcher — August, 2022–ongoing
Kenyon College Cosmolab — Gambier, OH

- Conducted research in computational cosmology under Dr. John T. Giblin, particularly early universe particle physics. Developed expertise in applying computational and machine learning techniques to scientific research. Coded using C, C++, CUDA C++, Python, and Mathematica.
- Currently collaborating with Dr. John T. Giblin and Dr. Joseph P. Simonis to implement physics-informed neural networks using PyTorch. Attempting to find machine learning solutions to scalar field modified gravity theories.

"Breaking ChatGPT with Dangerous Questions" — December 2022
Kenyon College - Programming Humanity course — Gambier, OH

- Conducted qualitative research on the ethics surrounding ChatGPT during the first month after its initial release. Explored how ChatGPT prioritizes safety, context and obedience to the user.
- Published to Digital Kenyon: digital.kenyon.edu/dh_iphs_prog/63/.

Experience

Linear Algebra Grader — January 2023 – May 2023
Kenyon College — Gambier, OH

- Worked for the math department, grading about a dozen linear algebra homework assignments weekly, providing feedback to help students improve their understanding of the material.

Math Corps: Philadelphia - College Instructor — July 2024 - August 2024
Drexel University — Philadelphia, PA

- Led a team of high-school tutors while supervising a classroom of middle-school students working on their math skills. Collaborated with teachers and my team of tutors to adapt lessons and meet the individual needs of each student.
- Prepared and taught classes to the high-school aged tutors, introducing the concept of neural networks as an application of linear algebra. Improved my communication skills and developed a deeper understanding of neural networks.

Skills

- **Programming Languages:** Python, C, C++, CUDA C++, Mathematica.
- **Technical Expertise:** Mathematical modeling, computational physics, numerical simulation.
- **Mathematics:** Differential equations, linear algebra, discrete mathematics, probability.
- **Machine Learning:** PyTorch, physics-informed neural networks (PINNs).
- **Documentation:** Scientific documentation and reporting.
- **Problem-Solving:** Debugging and optimizing code.

Will Bryant

bryant1@kenyon.edu |Little Rock, AR| 501-772-2918 | linkedin.com/in/willtbryant

PROFESSIONAL SUMMARY

Chemistry major interested in the intersection of chemistry and the environment seeking employment in the broader energy storage field. Effective leader and organizer with 3 years of experience in research-lab settings dedicated to . Skilled at working with complicated data in a timely, organized manner to develop larger inferences.

EDUCATION

Kenyon College **Gambier, OH**

Bachelor of Arts in Chemistry; Environmental Studies Concentration *Expected May 2025*

- *Relevant Coursework*: “Advanced Energy Storage Materials Lab”, “Advanced Inorganic Chemistry Lab”, “Advanced Organic Chemistry Lab”, “Chemical Kinetics and Thermodynamics”
- *Posters:* "Fabricating Redox Flow Batteries for Grid-Scale Energy Storage", Ohio Inorganic Weekend, Wayne State University, Detroit, MI, November 2024. “Freeze-thaw weathering releases critical micro- and macronutrients to Antarctic glacier and snow ecosystems”, AGU, Washington, D.C., December 2024

RESEARCH EXPERIENCE

Kenyon College Chemistry Department **Gambier, OH**

Research Assistant *Aug 2022–Present*

- Performed mineral characterization on Antarctic sediment using SEM, XRD, and BET analysis.

Summer Science Scholar *July 2023–Aug 2023*

- Proposed, planned, and executed project involving mineral characterization of Antarctic sediment.
- Presented research findings at the American Geophysical Union 2023 meeting.
- Found presence of microtextures on sediment grains and higher proportion of mafic minerals.

Boise State University Geosciences Department **Boise, ID**

Research Technician *May 2024–Aug 2024*

- Adapted methodology for experimental freeze-thaw weathering of Antarctic rock over time to simulate nutrient release from dust particles in-situ.
- Used ion-chromatography to analyze change in water chemistry over time across various rock types and sizes.

WORK EXPERIENCE

Kenyon College Office of Institutional Research **Gambier, OH**

Data Analyst Intern *Jan 2023–Present*

- Led team of 5 peers in data analysis from the HEDS Student Success Survey for inclusion in comprehensive presentation presented to the Kenyon College community.
- Analyze data from NSSE to develop predictive models supported by previous literature.

Kenyon College Bookstore **Gambier, OH**

Front Store Assistant/Event Coordinator *Aug 2022–Present*

- Founded, organize, and coordinate weekly concerts featuring members of the Kenyon community and surrounding community.
- Handle routine demands from restocking merchandise to tracking nightly sales while upkeeping organization of storefront

LEADERSHIP

Senior Class President **Gambier, OH**

Kenyon College Student Council *Aug 2024–Present*

- Organize and lead a committee in planning social and pre-professional events for the senior class.

SKILLS

Technical: RStudio, matLAB, Python, Qualtrics, ImageJ, ArcGIS, MS Office Suite

Laboratory: SEM, EDS, XRD, Ion Chromatography, UV-Vis Spectroscopy, Cyclic voltammetry, Battery Cycle Testing

Andrew Canonico

Kailua, HI | (808) 450-6329 | Acanonico808@gmail.com |www.linkedin.com/in/andrew-george-canonico-acanonico808

EDUCATION

KENYON COLLEGE Gambier, OH

Bachelor of Arts in Environmental Studies *Anticipated Graduation: May 2025*

Relevant Coursework:

- Solar Powered Systems: A class on the development and implementation of solar energy, and the politics behind large scale system

RELEVANT EXPERIENCE

Department of Public Works Environmental Division, Center for Environmental Management of Military Lands (CEMML), US Army Garrison Honolulu, HI

Environmental Compliance Inspector Internship July 2025 – Present

- Supported environmental audits of military facilities, identifying deficiencies and recommending solutions.
- Conducted transformer and gas tank inspections for leaks and regulatory compliance.
- Completed multiple certifications dealing with stormwater management
- Learned interpersonal skills in the methods of enacting laws and regulations

Stand Seller May 2023 – August 2023

Kona Bar Honolulu, HI

- aGained experience in customer service and product promotion
- Assisted customers with informed purchasing decisions

ADDITIONAL EXPERIENCE

Kaneohe Yacht Club Kaneohe, HI

Security Guard May 2024 – August 2024

- In charge of monitoring daily activities around the club and ensuring guests and members know where to park.

Boys and Girls Club, Kailua Kailua, HI

Intern May 2023 – August 2023

- Fostered positive relationships with children by planning and leading engaging activities such as kickball, paddling, and table tennis
- Enhanced communication and teamwork skills by organizing and supervising excursions to various parts of the island, including the beach, water park, and hikes.

Lyon Arboretum Honolulu, HI

Trail Building Intern June 2022 – December 2022

- Built trails, rock walls, and removed invasive plants to promote conservation
- Gained hands-on experience in plant propagation and laboratory systems

CLUBS & EXTRACURRICULARS

Beta Theta Pi, Beta Alpha Chapter Gambier, OH

VP of New Member Education January 2024 – December 2024

Developed educational programs for new members and conducted orientation sessions on fraternity history and principles.

VP of Recruitment January 2023 – December 2023

- Planned and coordinated rush week events along with vetted potential new fraternity members.

SKILLS

TECHNICAL: Proficient in Microsoft Suite

CERTIFICATIONS: RCRA Hazardous Waste Generator**,** Hazard Communication (HAZCOM) (29 CFR 1910.1200) and Global Harmonization System (GHS) **|** DPW Environmental Construction BMP StormWater Training **|** Erosion and Sediment Control Plan (ESCP) **|** Coordinator Certification Training Certified Water Pollution Plan Preparer (CWPPP) **|** Certified Erosion and Sediment Control Plan Preparer (CESCPP)

AWARDS

Kenyon Football Team Captain (2023 and 2024)
Second team All-Region (2024)
First team All-Conference (2024)
Defensive Player of the Year (2022 and 2024)
Kenyon Leadership Course Participant (2022-2024)
Second team All-Conference (2022 and 2023)
Kenyon Football Most Valuable Lineman (2023)
Punahou Male Athlete of the Year-C. Dudley Pratt Award (2021)

SARA CARMICHAEL

(973) 715-6902 | sara.carmichael4@gmail.com | Hewitt, New Jersey

EDUCATION

KENYON COLLEGE

Bachelor of Arts Candidate, Majors in English and Environmental Studies with an Emphasis in Creative Writing

2021 – 2025 (expected graduation)

Kenyon College Writing Award, Merit Scholarship, 2021 –2025

TRINITY COLLEGE DUBLIN

August 2023 – December 2023

Study Abroad Semester in Ireland

SKILLS

Adobe Indesign
ArcGIS
Google Suite
Microsoft Office Outlook
RStudio
Squarespace
Submittable
Wordpress

AWARDS

The Robert Daniel Memorial Scholarship, April 2024

Awarded to a returning student who, in the judgment of the Department of English, has made a significant and extraordinary contribution to the literary life and vitality of Kenyon

Kenyon College, Propper Prize Prize for Poetry, April 2022

Awarded to the first-year student or sophomore whose poem or group of poems, submitted in competition, is judged best by the Poetry Prize Committee

SUMMARY

A writer and environmental scientist compelled by the intersection between the two disciplines, seeking positions in publishing, science communications, and environmental outreach fields. Devoted to expanding the accessibility of scientific writing, environmental literacy, and the collaborative effort of publication.

EXPERIENCE

Kenyon Review

Editorial Projects Intern **September 2024 – present**

- Assist *Kenyon Review* Fellow Jennifer Galvão in her compilation of a "visitation" themed folio of the *Kenyon Review,* forthcoming in 2026
- Read up to 10 visitation-specific submissions per week, identifying their merit and relationship to "visitation"
- Bi-weekly editorial discussions about promising submissions and their position within the folio

Summer Intern **June 2022 – August 2022**

- Provided clerical and administrative support for *Kenyon Review* staff members, Writers Workshop program instructors, and participants
- Planned and orchestrated Workshop readings and banquets, check-in days, and check-out days
- Filed and managed *Kenyon Review* mail, including subscription services

Associate **August 2021 – present**

- Read and comment on 8 — 10 submissions per week from all genres
- Analyze the potential of writing pieces based on content, form, and voice
- Participate in weekly seminars with *Kenyon Review* staff, strengthening ability to properly identify pieces suited for publication

McSweeney's

Editorial Intern **August 2024 – December 2024**

- Fact-checked essays, interviews, reviews, and schemas which appeared in *The Believer 148* print and online editions
- Proofread spreads of *McSweeney's 76*, *McSweeney's 77*, and *The Believer 148*
- Transcribed interviews with Annie Leibovitz and Ayana Mathis for *The Believer*
- Wrote for *The Believer's* "Dear Carrie" and "Classifieds" columns
- Conceptualized and researched lists for publication in *The Believer 148* and *Illustoria*

Kenyon College

Teaching Assistant, Intro Environmental Lab **August 2024 – December 2024**

- Taught stream, soil, and insect sampling techniques to a class of 12 students
- Responsible for lab prep, clean-up, and monitoring
- Aided students in their learning and application of RStudio
- Provided feedback on students' scientific papers

Hoskins-Frame Summer Science Writing Scholar **June 2023 – August 2023**

- Collaborated with cosmology and anthropology lab groups to create an independent research and writing project
- Set and maintained a personal research and writing schedule
- Synthesized key cosmological and anthropological concepts into widely accessible literature

Liz DeProspo

lizdp33@gmail.com | 571-375-4219

Current senior at Kenyon College; student of biology and neuroscience with a passion for health education and science communication. Seeking to apply skills in written and oral communication, data analysis, and data-informed program implementation in a public health oriented position.

EDUCATION

Kenyon College–Gambier, Ohio

Bachelor of Arts, Major in biology, Concentration in neuroscience (GPA: 3.87)

August 2021 - May 2025

Stone Bridge High School–Ashburn, Virginia- *Advanced diploma (GPA: 4.77)*

August 2017 - June 2021

EXPERIENCE

Peer Health Educator – *Kenyon College, Gambier, OH*

August 2024 - PRESENT

- Analyze demographic data and trends in event attendance to plan 1-3 health and wellness programs per semester.
- Assist other educators in running additional programs and guage success of programs by surveying students.

News Editor and Writer, *Kenyon Collegian* – *Kenyon College, Gambier, OH*

May 2023 - PRESENT

- Identify and assign stories, run section meetings, train staff writers, and edit 7-8 articles weekly.
- Write 1-2 articles and interview sources weekly. .

Lead Instructor and Tutor, Fairfax Collegiate – *Ashburn, VA*

June 2022 - PRESENT

- Seasonally teach several 2-week science and English summer enrichment courses to ~ 10 students per class.
- Communicate with parents, modify curriculum, and develop educational activities.

AWARDS

National Merit Scholarship (*National Merit Scholarship Corporation)*

Kenyon College merit list (2021-2024)

Kenyon Excellence Award

DENNIS FRIMPONG

Linkedin ❖ DC-Maryland-Virginia ❖ (540)617-2840 ❖ dennisfrimpong01@gmail.com

EDUCATION

Kenyon College - Gambier, OHIO, USA *Graduated: December 2024*

Major: International S. in Development **Concentration:** Computer Science & Econ. **Minor:** Mathematics

Objective Summary: A driven product, business, and sales associate with customer focused on exceptional results on impactful work. Experienced with dynamic collaborative environments with an entrepreneurial approach and high-end AI tech soft skills.

WORK EXPERIENCE

Intern- Businesses Enablement Solutions and Support Analyst – Pfizer **June. 2023 – Aug 2023**
Innovative Sciences Operations | Global Supply Chain

- Supported internal system Clinical Support Distribution System (CSDS) solutions delivery.
- Enhanced support documentation in user guide backlog updates.
- Managed product Development of new Pfizer Real Time Temperature Monitory device.
- Provided quick task touchline on SharePoint creation.
- Provided AI solutions with Microsoft AI & prompt engineering with industry trends.
- Performed internal simulations of curated data Analytics with Spotfire and Alation.

Data Analyst Intern, | Provost Office of Green Initiatives – Kenyon College **January 2022- December 2024**

- Utilized AI data analysis and visualization techniques to identify trends and patterns from Kenyon utility reports for Board of Trustees, resulting in actionable insights for campus sustainability initiatives.
- Analyzing and visualizing data from Kenyon utility reports and carbon reporting databases.
- Participated in building and grounds sustainability plan to initiate EV chargers in strategic stations in residential setting.

Product Manager | Team Manager| Data Analyst --Bismuth Tech. (Startup)

- Led product Ideations and lead development planner to drive sales. **Oct. 2021 – Nov.2024**
- Collaborated with software engineers and system designers to develop innovative projects for clients, conducting in-depth research into market demands and customer needs, resulting in 100% client satisfaction ratings.
- Entrepreneurial approach and customer obsession with performance and retention to improve innovation.

Co-founder & Mentor - BITLabs Center for Tech & Innovation (EdTech),

- Mentors an EdTech organization to help to provide free IT training for young people. **Feb 2022 – Present**

Student Library Assistant, | Chalmers & Olin Library – Kenyon College **Feb 2022 – May 2022**

- Worked at college library providing database search and tech assistance to students and professors.

Assistant Program Associate, Project Manager, | Young Achievers Foundation **May / August 2024**

- Worked with an NGO that helps high achieving but underprivileged high school students by exposing them. through scholarship opportunities, SAT bootcamps, leadership programs, and career guidance.

PROJECTS - PRODUCT MANAGER

Completed Projects | Stack: React js, Django, MySQL, MongoDB, Firebase

- K- Space Mobile app- campus community app for sharing and receiving items to improve sustainability.
- Data & AI Analytics – Management Consulting Sales Simulation, Internal Document Chatbot (with Claude AI & GPT)
- Managed Mobile Apps Devloped Android and iOS: Incircled, Kakerabi, Cocycle, RentingApp.

KENYON COLLEGE PROJECT

- Led to the development of a Campus wide sustainability mobile and web application. www.kogi.space

TECHNICAL SKILLS AND PROFICIENCIES

- **Programming languages:** Python, C++, R, Pytorch, SQL, MongoDB, Tailwind HTTML,
- **Experience with:** AI tools, Alation, Spotfire, SharePoint Kaggle, Twitter Analytics, Microsoft AI, Office Suite, Tableau.
- **External University Course:** Bowling Green State System Design Thinking, Denison University Edge, HarvardX.
- **SKILLS:** Project Management, Research, creative non-fiction writing, team building and communication, prompt engineering.
- **AWS**– Accelerating Public Sector Growth mission, Database management, AWS EC2, GAMP

EXTRA ACTIVITIES INVOLVEMENT

- Google DSC Club.
- Kenyon Mentorship Program.
- Building, Grounds, and Sustainability.
- Sullivan Builders Construction & Residential Properties, Ohio
- P. East Knox Elementary Schools Volunteer.

Raine Hammel raineleihamm@gmail.com 602-672-6586 Phoenix, AZ

Driven biochemistry student with two years of laboratory leadership experience and collegiate basketball leadership experience, seeking research opportunities within drug development or pharmaceutical fields. Resourcefully contributed to overcoming research challenges in biochemistry, chemistry, and biology labs both at Kenyon College and the Translational Genomics Research Institute. Passionate about advancing therapeutic solutions and contributing to scientific breakthroughs aimed at curing diseases, with plans to attend graduate school in the near future.

EDUCATION

Kenyon College GPA: 3.37 — Graduating May 2025
Biochemistry major; Neuroscience concentration — Gambier, OH

Varsity Women's Basketball team, August 2021 – Present
- Team Captain during senior season 2024-2025

Member of Environmental Campus Organization, August 2023 – Present
- Raise awareness of environmental issues on campus and connect with administration to promote sustainability

EXPERIENCE

K-STEM Peer Mentor — August 2024 – Present
Kenyon College — Gambier, OH
- Led and facilitated weekly, half-hour mentoring sessions for younger STEM students, providing guidance, support, and fostering their growth in the field
- Facilitate awareness of resources on campus by sharing knowledge and experiences
- Encourages students to discover opportunities in STEM fields
- Promote a strong, well-connected community that is aware of diverse opportunities in STEM

Introductory Chemistry Lab Teacher's Assistant — August 2023 – Present
Kenyon College — Gambier, OH
- Effectively teach new chemistry students to grow and gain proficiency in lab techniques
- Enforce safe handling of reagents and equipment
- Stock and prepare reagents for lab session along with operating and cleaning instrumentation
- Collaborate with colleagues and professors in execution of lesson and clean-up of lab

RESEARCH

Chemistry Lab Assistant in Dr. Matthew Rouhier's Lab — August 2023 - Present
Kenyon College — Gambier, OH
- Studies the xenophobic transport of different drugs and their effects on the yellow fever mosquito (*Aedes aegypti)*
- Performs microliter injections via Nanoject III
- Hatch, feed, and rear *Aedes aegypti*

Helios Scholar in Dr. Sunil Sharma's Lab — May 2023 – August 2023
Translational Genomics Research Institute — Phoenix, AZ
- Applied Cancer and Drug Discovery Division
- Awarded Outstanding Poster Presentation during Intern Symposium
- Cultured Acute Myeloid Leukemia (AML) specific cell lines
- Studied effects of drug combinations (CDK7 inhibitors and Menin inhibitors) on AML cell lines

Kiersten Hoffmann – Neuroscience Research Assistant

hoffmannkiersten@gmail.com | (301) 401 7432 | www.linkedin.com/in/kiersten-hoffmann
Gambier, Ohio | Frederick, Maryland

I am a dedicated and passionate neuroscience student with aspirations of pursuing a doctoral degree. I am aiming to gain valuable research experience in both behavioral and molecular neuroscience before continuing to graduate school.

EDUCATION

Kenyon College— *Gambier, OH* *Aug 2021-May 2025*
Bachelor of Arts in Neuroscience
GPA: *3.59/4.00*

Honors/awards: Earned "Distinction" for Senior Comprehensive Exam for Neuroscience Major (Fall 2024), Summer Science Scholars (2024), Merit List (Fall 2021, Spring 2022, Spring 2023, Fall 2023), NCFA National Academic Squad DIII Field Hockey, Selected for competitive Cognitive Neuroscience of Consciousness Course & Lab in Copenhagen, Denmark (Spring 2024)
Organizations: Varsity DIII Field Hockey, Theta Delta Phi Sorority

RESEARCH EXPERIENCE

Kenyon College Neuroscience Department Behavioral Lab— *Gambier, OH* *Nov. 2022-Present*
Research Assistant in Dr. Hewlet McFarlane Lab

Spatial and Learning Memory in Male/Female Autism Spectrum Disorder Model Mice (BTBR T+tf/J) *May 2024-Present*

- This independent project was selected for funding under the Kenyon College Summer Science Scholars Program under the mentorship of Dr. Hewlet McFarlane
- Used a Barnes Maze to assess spatial, learning memory and memory retention in an autism model (BTBR T+tf/J) compared to wildtype (C57BL/6J) controls
- Collected behavioral data using Noldus Ethovision XT and Basler AG cameras
- Ran data analysis and generated graphs using Prism GraphPad Software
- Selected to present this research at the **Midwestern Psychological Association Conference in Chicago, IL** in Spring 2025
- Currently working on the second phase of this project, protein analysis, which aims to understand the relationship between proteins and memory in BTBR mice
- Assessing proteins by running gel electrophoresis and Western blots on brain tissue samples

Role of Growth Hormone in the Social Behavior of BTBR T+tf/J Mice *Nov. 2022-Dec. 2023*

- Explored the role of growth hormone and regional dopamine release on sociability in an autism mouse model (BTBR T+tf/J) compared wildtype mice (C57BL/6J)
- Used a Three-Chamber Social Approach Task to measure social behavior, increased GH action by stimulating Growth Hormone Secretagogue Receptor (GHSR1a) using an agonist via Intraperitoneal injections
- Collected behavioral data using Noldus Ethovision XT software, and Baslar AG cameras
- Gave key research talks, completed a mock Grant Research Fellowship Proposal on the project
- Certified in animal and human research from the Collaborative Institutional Training Initiative (CITI Program)

WORK EXPERIENCE

High Sierra Pools Inc.— *Ijamsville, MD* *Summers 2020-2023*
Full-Time Red Cross Certified Lifeguard

- Equipped to provide life-saving care, performed three deep-water saves
- Excelled in a team oriented environment by providing customer service with pool members and assisting guests

LABORATORY SKILLS

- Handling and conducting behavioral research on mice and rats, as well as mouse brain dissections
- Statistical analysis and interpretation using Prism GraphPad, R Studio, SPSS, Excel
- Conducted research with numerous apparatuses: 3-Chamber Social Approach, Barnes Maze, Open Field Test, and Elevated Plus Maze and accompanying software Noldus Ethovision XT
- Immunofluorescence, PCR, Western Blot, Gel Electrophoresis

Camila Jiménez Sánchez

Gambier, OH | (840) 444 6208 | camilajimenezsanchez@gmail.com | LinkedIn Link

Summary: Biology major with hands-on experience in research, teaching, and technical problem-solving. Skilled in biology and chemistry with a strong foundation in lab techniques and data analysis. Passionate about advancing scientific knowledge and seeking opportunities in healthcare, biology research, or environmental science.

EDUCATION

KENYON COLLEGE Gambier, OH

Bachelor of Arts in Biology *Anticipated Graduation: May 2025*

Honors:

Merit List

Selected Student Organizer for Spring Colloquium (2025): Invited by faculty in the Modern Languages and Literatures Department to join the Student Organizing Committee, recognizing academic and leadership excellence.

Relevant Coursework: Introductory Biology (I & II) with Lab, Cellular Biology with Lab, Evolution, Cell Signaling, General Chemistry (I & II), Ecology with Lab.

PROFESSIONAL EXPERIENCE

LBIS Helpline Gambier, OH

Supervisor, Technical Consultant September 2021 – Present

Supervise a team of 10+ consultants, managing scheduling, onboarding, and training for 10 new hires to ensure seamless, high-quality technical support across phone, email, Google Chat, and in-person channels for Kenyon staff, students, and faculty.

Diagnose and resolve diverse technical issues, including account access, printing, and network connectivity, achieving an 85% resolution rate within 24 hours.

Recognized for tackling complex technical challenges, personally handling 25.6% of total recorded cases in the past academic year.

Camp 4, Kenyon College Gambier, OH

Teaching Assistant/Resident Assistant Summer 2024

Supported 70 students as a TA for STEM-focused courses, including neuroscience, by offering academic tutoring, research assistance, and fostering effective study strategies.

Managed IT systems for the program, troubleshooting technical issues, assisting professors with technology integration, and ensuring the smooth operation of digital learning platforms.

Coordinated residential logistics, creating a supportive living-learning environment that encouraged academic and personal growth.

COMMUNITY INVOLVEMENT

Adelante, Kenyon College Gambier, OH

President 2021-present

Led the premier Latino organization on campus, organizing cultural events, workshops, and annual celebrations to foster inclusivity and cultural awareness, with over 100 attendees per event.

Managed a budget of approximately $1,000+ per semester, ensuring efficient allocation of funds to maximize impact and support for organizational initiatives.

Collaborate with college administration and student organizations to enhance support services and promote multicultural understanding.

Hola, Kenyon College Mount Vernon, OH

Tutor 2024-present

- Provide academic support and English language instruction to high school students, middle schoolers, and adult immigrants, driving improvements in communication skills and educational outcomes.

SKILLS

LANGUAGES: Fluent in Spanish, Portuguese, and English

TECHNICAL: *Proficient in Microsoft Office, Google Workspace, R Studio, and Slack for efficient document creation, data analysis, and collaborative workflows.*

Maeve Kennedy-Lange

215-478-1066 | kennedylange1@kenyon.edu | www.linkedin.com/in/maeve-kennedy-lange

SUMMARY

Environmental Studies major seeking opportunities in renewable energy development or environmental fieldwork. Experienced in environmental and spatial modeling, with knowledge of event planning and organization. Passionate about making a positive impact on the climate and pushing towards a sustainable society.

EDUCATION

Kenyon College **Gambier, OH**

Bachelor of Arts, Environmental Studies *Anticipated Graduation: May 2025*

Cumulative GPA: 3.50, Merit List Fall 2023-Spring 2024

Relevant coursework: Solar Power Systems, Intro Environmental Lab, Geographic Information Systems, Applied Environmental Analysis, Environmental Economics

DIS Study Abroad in Scandinavia **Copenhagen, DK**

Kenyon in Copenhagen Program *August-December 2021*

Intro Environmental Studies, Environmental Policy in Practice, Politics and Ethics of Food

RELEVANT EXPERIENCE

Climate Action PA **Philadelphia, PA**

Summer Organizing Intern *May 2024-August 2024*

- Organized events that educated and engaged local residents concerned about climate change
- Contacted Climate Action PA members, making hundreds of calls to recruit event attendees, collect petition signatures, and urge community members to call legislators
- Designed social media graphics to spread awareness on local environmental issues and increase event visibility
- Collaborated with external partners and team members to conduct educational outreach

OTHER EXPERIENCE

Panera Bread **Wayne, PA**

Associate (Seasonal Part-Time) *June 2022-Present*

- Working with the cafe team to deliver food to customers in a timely manner
- Balancing putting orders together with restocking ingredients and packaging
- Checking accuracy of full orders before handing them out to customers

Arrowhead Day Camp **West Chester, PA**

Junior Counselor *June 2017-August 2018*

- Supervised 7-8 yr olds throughout the day to ensure a safe and fun environment
- Guided campers between activities and helped resolve camper conflict
- Monitored camper wellbeing throughout the full day outdoors during summer, reminding them to drink water and reapply sunscreen

SKILLS

- Proficient in Microsoft Suite and ArcGIS

Arthur Khayat

La Cañada Flintridge, CA • (818)-640-0999 • arthurk@khayatmail.com • www.linkedin.com/in/arthurakhayat

PROFESSIONAL SUMMARY

Pre-medical student seeking opportunities to gain valuable experience in the medical field. My interests include engaging in clinical research positions and neuroscience research, along with hands-on clinical roles, such as working as an EMT to deepen my understanding of healthcare.

EDUCATION

Kenyon College **Gambier, OH**

Bachelor of Arts, Neuroscience, Pre-Medical track - GPA: 3.69/4.00 *Expected May 2025*

- *Independent Research*: Chronic Morphine Treatment Effects on Tyrosine Hydroxylase and Dopamine Dependent Behavior in BTBR mice.
- *Relevant Coursework*: Introduction to Neuroscience, Neuropsychology of Brain Disorders, Psychopharmacology, Biochemistry, Advanced Biochemistry Lab, Organic Chemistry (I and II).

Danish Institute for Study Abroad (DIS) **Copenhagen, DK**

Neuroscience Program August 2023 – December 2023

- *Relevant Coursework*: Neuroimaging of the Disordered Brain, Neuroscience of Consciousness.

Johns Hopkins University **Baltimore, MD (remote)**

Medical School Intensive Summer Course June 2020 – July 2020

SCIENCE & MEDICAL EXPERIENCE

Co-Head Neuroscience Lab Research Student **Gambier, OH**

Researcher in Professor Hewlet McFarlane's Neuroscience Lab at Kenyon College August 2022 – Present

- Trained in a behavioral neuroscience research lab, gaining hands-on experience that led to independently conducting a research project investigating the effects of chronic morphine administration on behavioral alterations in BTBR (T+Itpr3tf/J) mice, a mouse model for autism-like behaviors.
- Performed Western blotting and other protein analysis techniques to assess changes in protein and neurotransmitter levels.
- Mentored new lab members, providing guidance on laboratory techniques and protocols to further the research process.

NYU Langone Health **New York City, NY**

Rusk Rehabilitation Brain Day Treatment Program Intern May 2023 – August 2023

- Assisted psychologists in group therapy sessions to help patients in the rehabilitation program regain cognitive functioning post-injury.
- Learned about specific behavioral and neurological deficits with a particular patient, learning to read MRI scans and understand cognitive tests and the meaning of the results.
- Created and improved various cognitive tests that are given to patients and led one-on-one meetings to help patients with articulating their thoughts in speech writing.

University of Colorado School of Medicine **Boulder, CO**

Intensive Wilderness First Responder (WFR) Training Program May 2022 – June 2022

- Trained to become a certified Wilderness First Responder (WFR).
- Completed over 100 hours of intensive training (very similar to that of an EMT), CPR certification classes, and shadowing in the Emergency Department at the UCHealth Medical Campus.

Medical Receptionist and Assistant - Neurology Clinic **Los Angeles, CA**

Assistant - Dr. Armen Cherik June 2024 - August 2024

- Assisted the neurologist in administering cognitive tests like the Mini-Mental State Examination (MMSE), and educating patients about their neurological conditions, including available treatment options under the doctor's guidance.
- Scheduled follow-up appointments for patients and coordinated prescription deliveries to their preferred pharmacy for convenience.

LEADERSHIP & INVOLVEMENT

Knox County Medical Experiences Designed by Students (KC-Meds) **Gambier, OH**

Executive Board Member of the Student Opportunities sub-section August 2021 – Present

- Organized medical-related events and opportunities for pre-medical students, ranging from hosting medical school tours with nearby medical schools in Ohio to hosting CPR/AED certification courses in Gambier, Ohio.

Knox Community Hospital Volunteering and Shadowing **Gambier, OH**

Pre-Medical Student Shadower August 2021 – May 2024

- Assisted the Emergency Department with minor medical paperwork, cleaned hospital rooms, and performed other tasks. Shadowed physicians in the department from general surgery to ER physicians, gaining 100+ hours of medical experience.

JOLIEN KUSI
Columbus, OH | Email: Jolienkusi01@gmail.com

SUMMARY

Dedicated and detail-oriented student athlete with proven ability to foster inclusive environments, manage complex tasks, and effectively communicate findings. Active participant in athletics and leadership organizations, demonstrating teamwork, time management, and commitment to community engagement. Aspiring to leverage academic and professional experiences to contribute to the healthcare field.

EDUCATION

Kenyon College May 2025 *Bachelor of Arts, Neuroscience*

Discover In Scandinavia Stockholm, Sweden January 2024-May 2024 *Study Abroad Program*
Gained cross-cultural insights into addiction through experiential learning, including meetings with individuals in recovery, visits to rehabilitation centers, and lectures on addiction research and solutions across Europe.

EXPERIENCE

Sonlight Community Services *Educator & Outreach Coordinator*- Columbus, OH June 2019- present
Implemented weekly lesson plans for STEM, Reading, English, and History content for students in grades 1-8. Taught diverse student groups, fostering a positive and inclusive learning environment. Designed an organizational website and social media profile, expanding community outreach.

Knox Community Hospital *Student Volunteer*- Mount Vernon, OH May 2022 - present
Assisted nurses and patient care associates with tasks to support efficient workflow and improve overall patient experience. Cleaned and prepared patient rooms to maintain a hygienic and welcoming environment. Shadowed physicians to gain insight into medical practices and patient care.

Kenyon College Neuroscience Department *Researcher*- Mount Vernon, OH May 2023 – August 2023
Conducted research on the effects of early postnatal DEHP treatment on sexually dimorphic androgen-sensitive features in rats. Gained proficiency in lab techniques, including rodent dissection, cryosectioning brain tissue, staining brain slices, and microscopic analysis. Managed animal care responsibilities, including feeding and monitoring the health of our animals. Performed literature reviews to support research hypotheses. Collaborated with lab members in daily meetings to discuss progress, troubleshoot experiments, and refine methodologies. Presented research findings, showcasing analytical and communication skills.

Kenyon College *Teaching Assistant and STEM Mentor*- January 2022- December 2023
Supported the professor in conducting and managing chemistry lab sessions. Ensured smooth lab operations while addressing student questions and troubleshooting experiments. Guided underclassmen in navigating academic and personal challenges as STEM students. Held weekly mentoring meetings to provide advice, support, and resources.

Activities: Track & Field, Field Hockey, Black Feminist Collective, KC-MEDS, Black Student Union, African Student Association

NATHAN LE

(740) 233-5561 | Columbus, OH | leminhnghia2101@gmail.com | linkedin.com/in/nlminh

SUMMARY

Aspiring finance professional with experience in both buy-side/sell-side seeking an analyst position in financial services and investment management. Proficient in financial modeling and valuation with R and C++ data analytics, looking for any opportunity to grow and expand personal networks. Open to any location in the US/Canada/Singapore.

EDUCATION

Kenyon College **Gambier, OH**
B.A. in Economics and Mathematics *Expected Graduation: May 2025*

- **GPA:** 3.9 / 4.0; **Merit List**: All semesters
- **Relevant Coursework:** Money & Financial Market, Econometrics, Futures & Options, Economics of Regulations

PROFESSIONAL EXPERIENCE

Blackstone Group **New York, NY**
Summer Analyst, Business and Financial Evaluation *Jun 2024 – Aug 2024*

- Examined PPMs, financial statements, form ADVs, and L&C supplements of 50+ underlying fund managers of Blackstone Multi-Asset Investing (BXMA) under Absolute Returns and Liquid Strategies
- Validated managers' NAV valuation policies, allocation and trade flow processes, liquidity profile, and regulatory guidelines to compile manager investment reviews for 20+ hedge funds
- Investigated Blackstone's internal documents and conducted 15 personnel interviews to identify key business risks; developed mitigant proposals for presentations to the Global Head of BXMA
- Developed an automation algorithm with Excel VBA to streamline data collection processes to synthesize risk metrics, eliminated the use of third-party technologies, and saved 200+ hours of work

Lawrence, Evans & Company **Columbus, OH**
Investment Banking Summer Analyst *May 2023 – Aug 2023*

- Analyzed CIMs, term sheets, and debt schedules of 20+ companies while participating in 15 due diligence calls to gather information for company valuations; assisted with documenting the negotiation process
- Engaged in two live deals' execution for HCIT and behavioral health companies; compiled five capital raising pitchbooks and 20+ marketing materials leading to eight LOIs from bidders
- Selected Transactions:
  - $20M sell-side bridge financing and private equity placement for multi-site rehabilitation practitioner
  - $15M buy-side advisory for roll-up acquisition of Midwestern healthtech firm by Canadian HCIT firm

Rockfleet Financial Services **New York, NY**
Private Capital Intern *Sep 2022 – Dec 2022*

- Maintained client list of 2,000+ institutional investors and HNW individuals in Firm's CRM system; assisted with drafting and reviewing marketing materials in monthly letters to investors and prospective clients

Ezidor Equity Group **Dallas, TX**
Private Equity Analyst Intern *Aug 2022 – Dec 2022*

- Personally sourced and facilitated on-site due diligence meetings with a mold and remediation company; assisted with the subsequent financing and acquisition process of $3M in less than 90 days of searching

LEADERSHIP & EXTRACURRICULARS

Kenyon Finance Club **Gambier, OH**
President, Industrial Sector Head *May 2022 – Present*

- Launched the inaugural Analyst Program that matched 26 students into four sectors and led the Industrials team in delivering a pitch on Albemarle Corp (NYSE: ALB) to equity research analysts in a stock-pitch competition
- Contacted and invited 12 alums in various finance sub-verticals to biweekly speaker events, subsequently matching 15 pairs of mentor-mentees in professional development projects

SKILLS & INTERESTS

Skills: Proficient in Bloomberg, Capital IQ, Pitchbook, Mergermarket; Advanced in Microsoft Suite

Interests: Humanitarian & Volunteering, Professional Billiard, March Madness & Fantasy Basketball, Guitar

Adrian Lee

Seattle, Washington | 425-559-8301 | adr81lee@gmail.com | LinkedIn

Professional Summary

I am a biology major and scientific computing concentrator interested in pursuing a career in biology research and data science. I have completed long-term research projects studying grasses, birds, and large mammal ecology, both in the United States and Southern Africa, have extensive experience coding in RStudio and am passionate about mentoring students in STEM.

Education

Kenyon College **Gambier, OH**

Bachelor of Arts (B.A.), Biology Major, Computing Concentration *Graduation Date: December 20, 2024 (Summa cum laude)*

- *Cumulative GPA: 3.92/4*
- *Relevant Coursework*: *Disease Ecology, Mammalogy, Statistical Computing in R, Data Analysis, Independent Research in Biology, Computing Seminar*
- *Awards:*
  - $25,000 per year Honors Scholarship
  - Merit List: Fall and Spring 2021, Fall 2022, Fall 2023, Spring 2024, Fall 2024
  - Maxwell Elliot Power Prize, cash prize "awarded to an upperclass student of unusual promise in biology"

Research

Kenyon College – Natalie Wright Lab **Gambier, OH**

Lab Member & Summer Science Fellowship (June – August 2023) *November 2020 – December 2024*

- Analyzed and cleaned large datasets of bird life history traits and skeletal measurements using multiple R packages
- Photographed and accurately measured (ImageJ software) over five hundred bird skeletons from natural history museum collections, and taught these skills to six lab upperclassmen
- Caught (via mist-netting) & banded birds for lab projects, allowing lab to collect (photographic) data on bird flight mechanics
- Presented research poster at 2024 Society for Integrative & Comparative Biology Conference to 50+ professors and graduate students

Organization for Tropical Studies **Skukuza, Mpumalanga, South Africa**

Summer Research Assistant *May 2024 – July 2024*

Funded by Kenyon College's $5,000 Benjamin Fund for Global Learning

- Sampled several hundred individual grasses from six sites across South Africa & Eswatini and measured twenty traits per individual
- Completed data analysis and presented preliminary results at the 6th Eswatini Biodiversity Research Conference
- Collaborated with nine other students and assisted with data collection for their projects, including bird sight and sound identification in point counts, vegetation surveys (vegetation identification and measurements) and rodent trapping
- Currently working towards publishing our results in a scientific paper, working under Dr. Laurence Kruger

African Ecology & Conservation Course *January 2023 – May 2023*

- Conducted research with seven academics on varied ecological topics (e.g. marine species competition) at sites around South Africa
- Collaborated with eight peers on research projects, earning A's on three ecology and fieldwork courses
- Designed, executed and presented to Kruger National Park staff a research project on grass physical traits and flammability

Experience

Kenyon College – Department of Admissions **Gambier, OH**

Tour Guide and Admissions Intern *June 2021- December 2024*

- Collaborated with other student workers and adult admissions workers to interview over 10 prospective students per semester, answer families' questions in formal information sessions, and (*2021 - 2022*) lead weekly Campus and Science Tours
- Spoke with prospective students and parents from varied backgrounds about Kenyon, giving balanced information on the College
- *Summer 2021* - Assumed weeklong managerial position, where I scheduled sixteen student workers across up to 40 admissions events per day, where families and interns were matched by shared student and admissions worker interests

The Gund (Gallery) **Gambier, OH**

Gallery Associate – Community Engagement and Digital Storytelling Team Associate Leader *October 2020 – December 2024*

- Oversaw team of five to nine Gund Gallery Associates and assigned them two to ten hours of work per week on Gallery events
- Ran one to three gallery programs per week, including community art creation events and movie screenings
- Partnered with campus organizations to design and staff 4+ Late Night events per semester, welcoming over 200 visitors per event

Alliance for Professional Development, Training, and Caregiver Excellence **Seattle, WA**

Quality Assurance and Data Management Coordinator *March 2022 – August 2022*

- Learned the characteristics and protocols for new learning management system and used to manage class and attendance records
- Responded promptly & respectfully to up to fifty emails per day from caregivers, providing guidance on technological issues
- Collaborated alongside a team of 7 other adults and recognized in a Progress Review for excellent interpersonal skills

Skills

Software: RStudio, ImageJ, Microsoft Office, Google Suite, Asana, Slack, Zoom, social media
Language: Working proficiency in Spanish

Dustin T. S. Lee

lee13@kenyon.edu • (615) 342-9933

Student-athlete and chemistry major at Kenyon College with practical work experience and research background in organic synthesis. Seeking opportunities in research or healthcare-related fields to contribute to innovative solutions and impactful advancements. Committed to applying a collaborative mindset and problem-solving skills to address complex challenges in science and society.

EDUCATION

Kenyon College | Gambier OH — May 2025
Bachelor of Arts — **Cumulative GPA**: 3.7 / 4.0
Major: Chemistry — **Merit List:** Spring 2022, Fall 2022, Spring 2023, Fall 2023, Spring 2024
Montgomery Bell Academy | Nashville, TN — May 2021 | **Cumulative GPA**: 4.86 / 5.0

RESEARCH

Ohio State Undergraduate Researcher | *Christopher Hadad Lab* | Columbus, OH — *Summer 2024*

- Synthesized and characterized potential ligands for catalytic antibodies.
- Utilized computational modeling and organic synthesis techniques to contribute to the development of therapeutics against nerve agents.

Organic Synthesis Lab | *Lab Member* | Gambier, OH — *Fall 2023 - Present*

- Synthesized wasp pheromones to assist in the regrowth of wasp population on farmlands, where pesticides decimated the population.
- Learned laboratory techniques including column purification, Nuclear Magnetic Resonance Spectroscopy (NMR) Analysis, and Thin Layer Chromatography (TLC) analysis and research the Mitsunobu Reactions and Sharpless Asymmetric Di-hydroxylation reactions in the lab.

Inorganic Research Paper and Presentation | Inorganic Chemistry | Gambier, OH — *Fall 2023*

- Analyzed the importance of Metal Organic Frameworks and their practical uses in CO_2 reduction and car battery efficiency.
- Determined adjusted structures of UiO-66 modified with NH_2 with copper-based centers which show promise for increased efficiency in binding CO_2.

WORK EXPERIENCE

Savage Brothers Painting | *Summer Intern* — *Summer 2022 - Summer 2023*

- Managed the weekly payroll reports and invoices for the company of approximately 50 employees.
- Learned about the process of estimating company projects, communication with vendors, and management of work sites.

Kenyon College Athletic Department | *Student-Worker* — Fall 2021-Fall 2025

- Facilitated and assisted in game day operations for Kenyon College athletic events such as football, soccer, and volleyballs

LEADERSHIP AND COMMUNITY INVOLVEMENT

Vanderbilt Orthopedic Outreach Day | *Volunteer* — *Summer 2018 - Summer 2023*

- Volunteered for an annual, free day of orthopedic surgical care for uninsured patients in Middle Tennessee.
- Assisted with obtaining supplies for physicians and staff and addressing logistical needs that arise.
- Observed surgeries that addressed common orthopedic ailments, such as carpal tunnel syndrome.

Kenyon College Baseball Team | *Division III College Baseball* — *Fall 2021 - Present*

- Committed approximately 30 hours per week to training, meetings, film study, travel, and competitions while maintaining full course load.
- Led tours of facilities to prospective student-athletes and their families.
- Academic All-District Team 2024

SKILLS

Laboratory: Proficient in laboratory techniques including column purification, UV and IR Analysis, NMR Analysis.
Financial: Demonstrated financial expertise through handling payroll, invoices, and estimates for painting and caulking projects.

Sebi Lee

(740)-233-5596 · lees59242@gmail.com · LinkedIn

PROFESSIONAL SUMMARY

Mathematics major seeking roles in data science, such as data analytics, and is skilled in analyzing, modeling, and simulating data/models, as well as creating qualitative and quantitative reports. Acquired a well-rounded experience in theory and real-world analysis via relevant courses and previous and current analyst positions. Enthusiastic about generating data-driven outcomes, learning new concepts and software programs, and interacting with individuals from diverse cultural backgrounds.

EDUCATION

Kenyon College | Gambier, OH

- Bachelor of Arts – Major: Mathematics & Statistics; Minor: French — Graduation: May 2025
- Relevant Courses: Foundations, Linear Algebra, Data Analysis, Introduction to Programming, Software Development, Mathematical Models, Nonparametric Statistics, Data Structures, Statistical Computing with R, Experimental Design
- GPA: 3.87/4.00; Merit List; Pi Mu Epsilon Honor Society

EXPERIENCE

Office for Community Partnerships (OCP) | Mount Vernon, OH (Hybrid)

Student Analyst Associate — *Aug 2024 - Present*

- Analyze the survey and evaluation data from the college and community provided through Google Forms, CSV files, and Qualtrics, using R, and create qualitative and quantitative reports for any affiliated departments to refer to
- Visualize the numerical outcomes and incorporate them into the written reports

826 Boston | Boston, MA (Remote)

Program and Data Evaluation Intern — *May 2023 - Aug 2023*

- Organized and converted scattered data into structured files, analyzed data/surveys, and reported the highlights of the results both qualitatively and quantitatively in order to improve program outcomes and increase fundraising capacity
- Compiled detailed instructions of each task and created “how-to guides” for future interns

Office of Green Initiatives | Gambier, OH (Hybrid)

Data Intern — *Aug 2022 - Aug 2024*

- Extracted, organized, and uploaded Kenyon utility consumption data to a collaborative university sustainability website
- Occasionally visualized the consumption data, developed a regression model to estimate the overall consumption, and analyzed the changes in consumption over periods of time
- Collaborated with Ground Truth Energy to conduct an EV Living Lab focused on enhancing Kenyon’s environmental sustainability

Chalmers Library | Gambier, OH

Circulation Desk Assistant — *May 2022 - Present*

- Greet patrons and address any requests, questions or issues they have with effective communication skills and knowledge of the library and its resources

COMMUNITY INVOLVEMENT

International Society at Kenyon (ISAK) | Kenyon College, Gambier, OH

Vice President — *Aug 2023 - Present*

- Participate in weekly meetings and plan events that integrate and present diverse cultures to the Kenyon community
- Compose emails to be sent to all Kenyon students, promoting ISAK’s events

SKILLS

- Proficient - Microsoft Word and Powerpoint
- Intermediate - R, LaTeX, and Excel
- Beginner - Python and MATLAB
- Fluent English and Korean, intermediate Chinese and French, and intro Italian language skills

Lauren Lehr

(513) 716-8204 | laurenlehr21@gmail.com | linkedin.com/in/lauren-lehr-4a9010258/

Summary

Chemistry major with more than two years of research and teaching experience, seeking positions in clean energy development and energy storage materials. Driven to find and implement green solutions to address world energy challenges and especially interested in solar cell and battery design. Passionate about learning, teaching, and education.

Education

Kenyon College | Gambier, OH — Graduation May 2025
Bachelor of Arts in Chemistry, minor in Spanish
Relevant coursework: Organic Chemistry, Organic Chemistry Labs, Instrumental Analysis, Energy Storage Research, Inorganic Chemistry, Physical Chemistry, Spectroscopy Lab, Quantum Chemistry, Chemistry Research

Research Experience

Undergraduate Researcher | Gambier, OH — Sep 2024 - Present
Semiconductor Materials Chemistry, Dr. Catherine Mauck's Lab | Kenyon College

- Generate new thin films by cleaning and coating substrates with perylene diimide (PDI) molecules
- Learn and utilize analytical techniques such as FT-IR, IRRAS, and PXRD
- Collaborate with peers to solve problems in the lab

Undergraduate Researcher | Columbus, OH — May 2023 - July 2023
Inorganic Photochemistry, Dr. Claudia Turro's Lab | The Ohio State University

- Communicated with graduate students to master molar extinction, cyclic voltammetry, and chromatography techniques
- Independently synthesized and characterized three distinct iron polypyridyl complexes
- Presented results to Dr. Claudia Turro and graduate students at weekly lab meetings

Additional Experience

Introductory Chemistry Tutor | Gambier, OH — Oct 2023 - Present
Department of Chemistry | Kenyon College

- Provide individualized attention to the student's concerns and areas of weakness
- Support students' class performance through practice and discussion of difficult concepts
- Assist students to achieve a greater understanding of the material and higher exam grades

Spanish Teaching Assistant | Gambier, OH — Sep 2022 - Present
Modern Languages and Literatures | Kenyon College

- Teach three fifty-minute classes each week, each with three to eight students
- Motivate students with games and fun challenges to help them grasp complex concepts
- Collaborate with fellow teaching assistants to enhance students' learning experience
- Consistently individualize student attention to maximize each student's learning potential

Organic Chemistry Lab Technician | Gambier, OH — Jan 2022 - May 2022
Dr. John Hofferberth's Lab | Kenyon College

- Inspected all glassware for residue, cleaned and dried equipment accordingly
- Ensured the availability of sufficient supplies lab supplies for experiments
- Maintained a safe working environment within the lab at all times

Skills

- CV, coordination synthesis, spectroscopy: IR, NMR, UV-Vis, FT-IR, IRRAS, PXRD; chromatography: TLC, column separation
- Professional working proficiency in Spanish

Beshoy Lowiz

beshoy.lowiz@gmail.com | (740) 326-8303 | linkedin.com/in/beshoylowiz

Professional Summary

Dynamic problem-solver with hands-on experience in data analysis, predictive modeling, and tools like Python, R, and SQL. Skilled in transforming complex datasets into actionable insights that drive decision-making and strategy, including identifying $4B in potential revenue opportunities through the evaluation of energy transportation data.. Seeking roles in data analytics, business analysis, consulting, or data science. .

Education

Kenyon College Gambier, OH

Bachelor of Arts in Mathematics & Statistics and Economics (double-major), Computing Minor, ***GPA****: 3.67* *May 2025*

Honors: High Honors in Economics, Sigma Xi Scientific Research Honor Society, Kappa Mu Epsilon National College Mathematics Honor Society, Dean's List

Coursework: LLMs & Multi-Agent Networks, Time-Series Econometrics, Regression Analysis, Statistical Computing in R, Economic Policy Analysis with Data, International Finance, Applied Linear Algebra, and Software Development

Skills

Languages: Python, R, Stata, Matlab, Ruby, JavaScript, HTML, CSS, C++, SQL
Frameworks & Libraries: LangChain, Natural Language Toolkit, scikit-learn, pandas, NumPy, AutogenAI, Gradio
Tools: Excel, Latex, Power BI, Git, VS Code, Conda

Experience

Business Planning Analyst Intern May 2024 - August 2024

Allete, Inc. *Duluth, MN*

- Presented executives with analytical insights, estimating about $4B in potential revenue opportunities through evaluation of 5 years of weekly and hourly data on energy transportation capacity expansion
- Identified 6 portfolio expansion opportunities through predictive modeling and Excel-based dashboards, analyzing over 43,800 hours of energy data to support strategic planning
- Improved forecast accuracy of the Integrated Resource Plan by updating wind capacity factors in RTSim simulator

Writing Consultant August 2023 - Present

Kenyon College Writing Center *Gambier, OH*

- Guided 40+ students to refine data communication and clarify presentations through personalized feedback sessions
- Selected as liaison by the Statistics and Economics departments to support research review and scientific writing

Admissions Intern & Co-Head Guide May 2022 - Present

Kenyon College Admission Office *Gambier, OH*

- Evaluated 100+ SLATE CRM prompts to match prospective students with tour guides, fostering stronger alignment with student preferences
- Co-led and trained 55+ tour guides while coordinating schedules to enrich prospective student experiences
- Conducted 80+ interviews and co-moderated 30+ sessions, boosting engagement and aiding admission decision

Executive Board Member February 2022 - Present

International Students at Kenyon *Gambier, OH*

- Secured and managed $35,000+ in event funding, co-hosting 15+ campus-wide events with 2000+ attendees

Projects

Technology Shocks & Labor Market Dynamics | *Max-Share Method, Time-Series, MATLAB* Oct – Dec 2024

- Awarded High Honors in Economics
- Applied the Max-Share approach to analyze technology shocks' impact on productivity and labor market dynamics using FRED data (1948–2024)
- Revealed specification-driven divergence: hours worked rise in levels but decline in difference models
- Confirmed technology shocks as key drivers of productivity but with minimal influence on hours worked
- Validated findings through robustness tests, refining insights for policy and economic modeling

Loan Default Risk Prediction and Classification | *R, LR, Decision Trees* Nov – Dec 2024

- Assessed 255K+ loan records, uncovering key predictors and providing actionable insights to mitigate default risks
- Optimized variable selection and interpretability by developing three logistic regression models: a 15-parameter model (68.7% accuracy), a 4-parameter model (66.4%), and an EDA-driven 9-parameter model (68.5%)
- Facilitated decisions with 65.1%-accurate decision trees, offering interpretable loan default risk segmentation

Sentiment Analysis Using SVMs | *Python, NLP, scikit-learn* April – May 2024

- Developed a sentiment classifier for 200K tweets, achieving 79% test accuracy using TF-IDF and a SVM model
- Achieved 92% training accuracy with balanced error rates, validated through confusion matrices and ROC curves
- Delivered Capstone presentation on Support Vector Machines Mathematics, covering hyperplanes, decision boundaries, and margin classifiers with applications in binary sentiment analysis

FATMA MAHMOUD

(740) 507-2149 | fatmamahmoud0222@gmail.com

Creative problem solver with experience in software development and data analysis, applying quantitative methods to solve real-world challenges. Skilled in Python, C++, and R, with a proven track record in research on community safety, economic policy, and coding theory. Passionate about using data science and cutting-edge technologies to create innovative solutions that address critical challenges with a social impact.

EDUCATION

Kenyon College Gambier, OH
BA in Mathematics and Economics, Minor: Computer Science *Expected May 2025*
GPA: 4.0
Awards and Honors: Wendell L. Lindstrom Award, Merit List, Pi Mu Epsilon, Phi Beta Kappa, Distinction on Economics Senior Capstone.
Relevant Coursework: Data Analysis, Mathematical Models, Linear Algebra, Differential Equations, Software Development, Software and System Design, Algorithms and Data Structures, Database Systems, Computability Theories.

WORK EXPERIENCE

QSIDE Institute Boston, MA
Data Science Intern *May 2024 - August 2024*

- Worked with ACTNOW Foundation on the Re-envisioning Community Safety project, analyzing data to assist community-based organizations in building new safety initiatives that reduce police interactions.
- Designed automated data pipelines using APIs to create a self-updating Tableau dashboard, providing real-time insights on overall community health metrics.
- Developed data visualizations in Tableau to effectively communicate findings, empowering stakeholders with actionable insights to address community-identified issues.

University of Chicago Booth School of Business Chicago, IL
Research Assistant *May 2023 - August 2023*

- Collaborated with Professor Matthew Notowidigdo on research analyzing the participation trends in the food stamps program since 1968.
- Conducted comprehensive literature reviews and analyzed Panel Study of Income Dynamics (PSID) data using Stata to explore how eligibility requirements for food assistance programs influenced participation rates over time.
- Applied linear regression models to assess the impact of food stamp programs, demonstrating their significant role in enhancing economic welfare.

Kenyon College Gambier, OH
Economics Lead Tutor/Grader *August 2022 - December 2024*

- Tutored 120 students enrolled in introductory economics classes through 4-hour weekly sessions.
- Assisted Professor Jay Corrigan by grading assignments for his Game Theory course.
- Developed supplemental learning materials, such as practice problems and summaries, to enhance students' comprehension and exam preparation.

Summer Science Research Scholar *May 2022 - January 2023*

- Conducted research in coding theory, exhaustively applying BCH bounds and their generalizations to discover over 30 new Best Known Linear Codes (BKLCs).
- Developed Python and Magma algorithms to classify non-equivalent cyclic and constacyclic codes, significantly improving the speed and memory efficiency of code searches.
- Presented research findings at the Joint Mathematics Meetings (JMM) 2023, focusing on advanced mathematical concepts such as cyclotomic cosets and their applications.

Technology Consultant *August 2021- May 2022*

- Diagnosed and troubleshot issues with Windows and iOS devices, Google Workspace, and network technology.
- Provided comprehensive technology support to Kenyon students, faculty, and staff in the library's technology room.
- Collaborated with library staff to understand the technology requirements of students and faculty, offering tailored recommendations and solutions to enhance their learning and research experiences.

SKILLS

Python, C++, JavaScript, Ruby, HTML, Magma, R, Stata, LaTeX, SQL, Tableau, MATLAB, Microsoft Excel

ZOE MALOUF

zoester.m@gmail.com | 781-927-5220 | www.linkedin.com/in/zoemalouf

PROFESSIONAL SUMMARY

Knowledge-driven student skilled in analyzing field and lab work data, with specific experience in coastal and forest ecology and plant-insect interactions within agricultural systems. Seeking opportunities in community or behavioral ecology research or within the natural history museum world. Dedicated to creating more accessibility in science through education and strong communication.

EDUCATION

Kenyon College | Gambier, OH *Expected Spring 2025*

Bachelor of Arts (B.A.), Environmental Studies, Studio Art

- GPA: 3.88; Merit List all semesters; Distinguished Academic Scholarship ($15,000)
- Relevant Coursework: Introductory Environmental Lab; Geographic Information Sciences; Earth Systems Science; Energy in Living Systems; Sustainable Agriculture; Entomology; Applied Environmental Analysis

School for Field Studies | Bocas del Toro, Panama *January 2024 - May 2024*

Semester abroad: Marine and Rainforest Ecology, Environmental Impacts of Tourism, Natural Resource Management

- Relevant Coursework: Tropical Coastal Ecology; Tropical Rainforest Ecology and Resource Management; Environmental Governance, Development, and Conservation; Cultural Competence in Conservation

EXPERIENCE

Cornell Agritech, *Summer Research Scholar* | Geneva, NY *May 2024 - August 2024*

- Participated in a highly selective research program of 20 undergraduate students in partnership with the USDA-ARS under Dr. Ben Gutierrez in the Plant Genetics Resources Unit
- Examined the phenolic compounds of a diverse collection of cherry cultivars using HPLC and GC
- Explored the mutualistic plant-insect interactions between cherry extrafloral nectaries and ants intending to contribute towards future sustainable pest management strategies

School for Field Studies, *Research Assistant* | Bocas del Toro, Panama *April 2024 - May 2024*

- Assisted in a directed research project titled “Herbivory and Aggression in Keystone Herbivorous Fishes from Bocas del Toro, Panama” under Dr. Dago Venera-Ponton
- Assessed herbivorous and aggressive behaviors of damselfish and parrotfish with findings demonstrating a difference in behavior between species and ages

Cape & Islands Self-Reliance Corporation, *Intern* | Cataumet, MA *May 2023 - August 2023*

- Formulated and analyzed energy benchmarking report for Woods Hole Oceanographic Institution to form renewable energy recommendations, presented to the Sustainability and Facility Boards
- Utilized findings to explore how solar and wind energy could be implemented locally in Massachusetts

LEADERSHIP EXPERIENCE

Science Saturdays, *Science Outreach Director* | Gambier, OH *August 2022 - Present*

- Develop Saturday programs for 35-40 local middle school students focusing on a specific area of science
- Direct pedagogy and science training for 20-25 participating college student volunteers

SKILLS

Languages: English, French (advanced), Spanish (beginner)

Technical: HPLC, Gas Chromatography, ArcGIS, Maple Flow, RStudio, Microsoft Suite, Energy Star Portfolio Manager, Adobe Illustrator, Adobe InDesign

SABINE MANSKE
(303) 406-3753 | manskess27@gmail.com | www.linkedin.com/in/ssmanske

PERSONAL STATEMENT

Driven Biology student at Kenyon College with hands-on research experience with amphibians, earthworms, and liverworts. Deeply passionate about ecology and conservation, with a strong interest in fieldwork.

EDUCATION

Kenyon College, Gambier, OH — *Anticipated Graduation: May 2025*

- Major: Biology, Minor: Art History
- GPA: 3.7
- Relevant Coursework: Ecology, Disease Ecology, Genetic Analysis, Aquatic Systems Biology, Entomology, Research in Biology, and Geographic Information Science

The School for Field Studies, Bocas del Toro, Panama — September-December *2023*

- Relevant Coursework: Tropical Coastal Ecology, Forest Ecology and Resource Management, and Directed Research

RELEVANT EXPERIENCE

Kenyon College, Gambier, OH
Research Assistant — *January 2024-Present*

- As part of Dr. Kamesh Regmi's Plant Biology Lab, researching the roles of sucrose symporters in photosynthate partitioning in the liverwort *Marchantia polymorpha*

Huyck Preserve and Biological Research Station, Rensselaerville, NY — *July-August 2024*
Intern

- Designed and conducted an independent research project on earthworms in wetlands
  - Collected 400+ earthworms, identified 100+ earthworms to the species level
- Gained experience with data collection, earthworm identification, and scientific writing
- Assisted high school students with experimental design, data collection, and presentation

The School for Field Studies, Bocas del Toro, Panama — *September-December 2023*
Research Assistant

- Assisted with a directed research project on the effect of land-use type on leaf-litter amphibian community structures under Dr. Daniel Medina
- Gained experience with amphibian surveys and scientific writing

American Museum of Natural History Southwestern Research Station, Portal, AZ — *July-August 2023*
Intern

- Assisted researchers in the field
- Gained experience working with about 20 Western Screech-Owls and Whiskered Screech-Owls, about 20 hummingbirds, and about 5 Slevin's Bunchgrass Lizards

OTHER EXPERIENCES

Kenyon College, Gambier, OH — *September 2022-Present*
Equipment Room Assistant

- Help with day-to-day operations of the equipment room

Kenyon College, Gambier, OH — *September 2021-May 2022*
Biology Greenhouse Assistant

- Maintained plant health, organized materials, and ensured quality cleanliness

EXTRACURRICULAR ACTIVITIES

Kenyon Blu-Ray Ultimate Frisbee, Member — *September* 2021-*Present*

- Practice weekly and compete in tournaments

SKILLS

- Experience with RStudio, ArcGIS, and Google Suite
- PADI Open Water Diver scuba certified

Darcy Miller

(215) 620-0459 • djmiller930@gmail.com

Professional Summary

Honors student with three years of experience in psychology labs. Currently conducting two independent research projects and seeking employment in a psychology lab, with plans to attend graduate school. Devoted to making an impact on treatment practices and understanding of human behavior.

Education

Kenyon College, Gambier, OH, *Bachelor of Arts, Psychology* Expected Graduation: May 2025
Cumulative GPA: 3.8, *Honors Student*

Research Experience

Lab Experience

Gaming and Media - Dr. Ewell Lab, *Kenyon College* August, 2024 - Present
- Independently conduct experiments on participants where participants are isolated or in a group and asked to complete a puzzle with or without their phone to test if taking one's phone impacts anxiety levels

Autism and Nonverbal Communication - Dr. De Marchena Lab, *Drexel University* May, 2024 - Present
- Shadow weekly meetings and transcribe interviews

Social Psychology - Dr. Jordan Lab, *Kenyon College* August, 2023 - May, 2024
- Conducted in-depth background research and qualitatively-coded participant responses

Pride Critique - Dr. Dickens Lab, *Kenyon College* January, 2023 - May, 2024
- Used background research to qualitatively code participant responses, compute statistical analyses with SPSS, and developed vignettes for a future study

Independent Research Projects

Honors - The Impact of Environment on Workplace Loneliness and Social Support August, 2024 - Present
- Independently conducted an extensive literature review, wrote a proposal for a quasi-correlational study, presented study to psychology department, proposal was accepted

Senior Thesis - The Role of Emotions and Social Endorsement on Detection and Memory August, 2024 - Present
- Independently developed materials and Qualtrics survey for an experimental study

Project - Prosocial Behavior in Children's Media: An Exploratory Study January, 2024 - May, 2024
- Researched previous literature to develop a codebook for an exploratory study
- Used qualitative coding, conducted statistical analyses with SPSS and co-wrote a manuscript of findings

Job Experience

Registered Behavior Technician, *Intentional Interventions, Absecon, NJ* May, 2024 - August, 2024
- Provided clinic-based, one-on-one ABA (Applied Behavior Analysis) therapy for children with autism
- Taught speech and language, and differential reinforcement to increase independence in a positive manner
- Collected thorough data and notes during sessions to help create accurate treatment plans

Registered Behavior Technician, *Connect Plus Therapy, Northfield, NJ* May, 2023 - August, 2023
- Worked one on one with a with a 5 year old client on the spectrum 4 days a week for 3 hours each
- Used ABA (Applied Behavior Analysis) therapy interventions to complete small goals to increase independence
- Used ABA interventions to enhance client's manding (expressing a want) and tacting (labeling) skills

Psychoanalysis Intern, *Integrative DBT and Psychotherapy, Philadelphia, Pennsylvania* May, 2023 - August, 2023
- Shadowed client appointments
- Read four research papers and wrote and shared summaries in our weekly intern group meetings
- Met weekly with a therapist to discuss patients and ways to help them with DBT as the basis for treatment

Leadership

Chapter Founder *Kenyon Students Demand Action, Kenyon College* October, 2022 - Present
- Work with students on campus and nationally to create a safer future and end gun violence
- Set the agenda and facilitate meetings as well as recruit leaders and members

Field Hockey Representative *Kenyon Student-Athlete Advisory Committee, Kenyon College* August, 2022 - Present
- Represent the team by attending monthly meetings that discuss/vote on NCAA policies
- Aid in fostering a connection between the administration and the student-athletes

Iris Pardue (she/her/hers)

630-991-3860
npmartian@gmail.com

Professional Summary

Self-directed researcher with three years of molecular biology research experience across multiple labs and summer experiences. Seeking opportunities as a laboratory researcher or technician with plans to apply for graduate school. Resilient worker with experience in a variety of cellular and molecular techniques along with multiple model organisms. Committed to improving research outcomes through equity and mentorship in laboratory environments.

Skills

Techniques – PCR, quantitative RT-PCR, Western blotting, plasmid cloning and transformation, RNA-seq analysis, genetic model design, microinjection, brightfield microscopy, fluorescence microscopy, RStudio, GraphPad Prism

Models – Bacterial cell culture (*E. coli* and *Salmonella*), cancer cell line culture, mouse and zebrafish models

Experience

Duke University – *Research Intern, Joshua Snyder Lab*
May 2024-August 2024

- Improved research and teamwork skills working with a graduate student mentor
- Launched a project on and designed genetics for a macrophage polarization reporter line

Kenyon College – *Researcher, Kathy Gillen Lab*
June 2022-Present

- Gathered and analyzed data for presentation in annual poster sessions
- Mentored new researchers in the lab for hands-on research and presentation skills
- Advanced research of the understudied model organism *Lumbriculus variegatus*

Downers Grove Public Library, Downers Grove, IL – *Children's Department Clerk*
October 2018 - Ongoing

- Helping manage multiple tasks necessary to increase department efficiency
- Assisting customer service to direct visitors to resources and run programs

Morton Arboretum, Lisle, IL – *Senior Children's Garden Youth Volunteer*
May 2015 - August 2021

- Interacted with visitors of all ages to direct them around the garden
- Helped manage teams of younger volunteers to efficiently complete tasks

Education

August 2021 - May 2025, Ongoing

Kenyon College, Gambier, OH – *Bachelor's degree in Molecular Biology*

Awards

SICB Presenter January 2024 https://doi.org/10.1093/icb/icae140
Kenyon College Summer Science Scholar June 2022-August 2022
Kenyon College STEM Scholar June 2021-August 2021

Linnea Parker

lparker0214@gmail.com | (978) 807-0781 | www.linkedin.com/in/linnea-parker-704337238 | North Andover, MA

Professional Summary

Dedicated and ambitious Kenyon College student pursuing a career in molecular and cellular biology with an interest in research and human medicine. Strong background in biological laboratory technique.

Education

Kenyon College Gambier, OH

Bachelor of Arts (B.A.) in Biology *Expected May 2025*

- Awards: Promise Scholarship ($40,000 awarded), Merit List 3x
- Relevant Coursework: Cellular and Molecular Biology, Biochemistry, Cell Signaling, Organic Chemistry, Human Physiology, Comparative Vertebrate Anatomy, Evolution, Animal Behavior, Psychology
- Senior Thesis: "Modeling BRCA1 Mutations in *Caenorhabditis elegans*"
- Extracurriculars: Pep Band (Director & President), KSTEM (Mentor), Biology Student Advisory Committee (Board Member), Tri Delta (Selection Committee), Lyceum Magazine, Symphonic Wind Ensemble

Research Experience

Prof. Peter Kropp, Assistant Professor of Biology | *Kenyon College* | Gambier, OH *Oct. 2022-Present*

- Examining the role of lipoic acid synthase in the development and reproduction of *C.elegans* worms as a model organism to study mitochondrial diseases consistently for 2.5 years
- 6-10+ hours a week, over 336 total hours, spent independently performing lab techniques including western blots, RNAi, gel electrophoresis, PCR, microscopy, BCA assays, lifespan and fertility assays as well as primary literature research and presentations
- Presented twice at The Ohio State University's Central Ohio *C.elegans* Conference Poster Session, discussed and answered questions from the academic community

Prof. Joan Slonczewski, Professor of Biology | *Kenyon College* | Gambier, OH *Jan. 2022-Dec. 2022*

- Created own original project investigating bacterial microdiversity and antibiotic resistance on college students' makeup applicators such as mascara and beauty sponges, received IRB approval and certification

Professional Experience

Job Shadow | *Moderna* | Cambridge, MA *Dec. 2024*

- Mentored by Daniel Rudmann and interfaced with pathologists as the sole undergraduate trainee in the office/lab

Student Intern | *Accustar Laboratories at Spruce Environmental Technologies* | Haverhill, MA *Summers 2022 and 2023*

- Processed long- and short-term radon radiation detection test kits through data analysis and laboratory preparation

Animal Welfare Intern and Surgery Clinic Support Volunteer | *MSPCA Nevins Farm* | Methuen, MA *Summer 2023*

- Responsible for assisting staff in care of all shelter animals, including behavioral evaluations, socialization, feeding, and cage cleaning, shadowed adoptions and interacted with members of the public spanning 116 hours
- Cleaned and sanitized surgical tools, assembled spay and neuter packs and wraps with veterinary instruments, and labeled syringes

Intern | *State Representative Christina Minicucci* | North Andover. MA *2020-2021*

- Updated volunteer and voter contact lists, canvassed, and wrote informational social media posts
- Received the League of Women Voters Andover and North Andover Award for a strong sense of commitment within the school and community and exceptional academic achievement

Skills

- **Lab Techniques:** Western Blot, Gel Electrophoresis, PCR, RNAi, Cell culturing, Dissections, R Studio, Sterile Technique, Microscopy, *C.elegans*, JMol, NMR, Gas Chromatography, MNova
- **Academic:** Academic Writing, Scholarly Research, Presentations, Leadership, Critical thinking, Collaboration
- **Certifications:** CITI Program Certified Human Research Biomedical Research

Andrew Pilat

(317)-319-8496 pilatand@yahoo.com LinkedIn: Andrew Pilat

Professional Summary

Experienced in analyzing next generation sequencing data for trends at the community and individual level. Seeking technician or entry-level positions in a genetics-related lab to further develop computational skills in preparation for Computational Biology PhD programs.

Education

Kenyon College Gambier, OH

- Bachelor of Arts, Expected in May of 2025, GPA 3.79
- Double Major in Molecular Biology and Mathematics
- Proficiency in R, Unix, and C++; Experience with Python

Research

Undergraduate Research Assistant, **University of Pittsburgh**
Summer 2024 Pittsburgh, PA

- Identified functional impact of missense mutations in two clinically relevant genes with top bioinformatics pipelines

Microbial Discovery Research Intern, **BiomEdit, LCC**
Summer 2023 Greenfield, IN

- Employed anaerobic culturing techniques of microbes isolated from ruminants
- Explored Next Generation Sequencing workflows with a focus in RNAseq

Undergrad researcher, **Kenyon College with Slonczewski Research Group**
Fall 2022-Spring 2025 Gambier, OH

- Analyzed nitrogen cycle genes, antibiotic resistance genes, and microbial taxa from five metagenomes using ShortBRED, NCyc, and Kraken2/Bracken

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Work Experience

Lead Tutor, **Math and Science Skill Center at Kenyon College**
Spring 2023-Spring 2025 Gambier, OH

- Assisted in the classroom and explained concepts in biology, statistics, and chemistry

Orientation Leader, **Office of First Year Experience at Kenyon College**
Fall 2022, 2023 Gambier, OH

- Welcomed incoming students to campus and taught important skills for college success

Teacher, **Sylvan Learning**
Summer and Winter 2022 Bloomington, IN

- Tutored K-12 students in math and language arts in a fast paced, dynamic environment

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Extracurricular Activities

VP of Academic Affairs, **Student Council Executive Board**
Fall 2024-Spring 2025 Gambier, OH

- Coordinated a series of workshops and presentations on AI while leading a team of passionate student leaders

Student Member, **Biology Student Advisory Group**
Fall 2023-Spring 2025 Gambier, OH

- Assisted with faculty search for Visiting Professor of Microbiology, organized Biology Department t-shirt contest, and advised faculty on student concerns

MUGHEES AHMAD SAEED

Gambier, OH | saeed1@kenyon.edu | (740) 233-5181 | www.linkedin.com/in/mughees-saeed

SUMMARY

Analytical and detail-oriented Mathematics and Economics major with experience in financial services, data science, and software engineering. Skilled in building software solutions to streamline trade compliance, financial modeling, and portfolio optimization, with technical expertise in Python, SQL, and FactSet Workstation. Seeking opportunities in financial services, data science, or software engineering to leverage my problem-solving skills and passion for innovation in dynamic, team-oriented environments.

EDUCATION

Kenyon College **Gambier, Ohio**

Bachelor of Arts, Mathematics and Economics Major, Arabic Minor Expected 2025

- GPA: 3.92 Merit List (2021-Present)
- *Honors:* Wendell D. Lindstrom Award in Mathematics, Distinction in Senior Math Capstone

EXPERIENCE

TRAIL DOG SOFTWARE **Tijeras, New Mexico**

Software Engineer (Working Remotely) September 2024 – Present

- Build and optimize code to streamline the FINRA Consolidated Audit Trail (CAT) submission process for clients, ensuring compliance and data accuracy.
- Develop and maintain web applications enabling clients to manually input & manage daily trade data.
- Work on Azure-based apps to parse and process trade data, generating comprehensive audit trails for submission to FINRA.

FINANCIAL SOLUTIONS – FACTSET RESEARCH SYSTEMS **Chicago, Illinois**

Finance Intern June 2024 – August 2024

- Presented an M&A pitch for FactSet to acquire a Syndicated Loan Data Company, highlighting the potential benefits of integrating Syndicated Loan Data in FactSet Workstation.
- Worked as a consultant for asset owner clients from firms such as Artisan Partners and Harrison Associates and assisted them in portfolio optimization using FactSet.
- Created an equity-only portfolio consisting of 12 securities using an earnings call strategy.

RESIDENTIAL LIFE OFFICE – KENYON COLLEGE **Gambier, Ohio**

Community Advisor August 2022 – Present

- Lead a residence community of 50+ students, fostering a safe and inclusive living environment.
- Conduct floor meetings to communicate campus policies, address concerns, and mediate conflicts; collaborate with residence life staff on maintenance and administrative tasks.
- Plan and execute monthly programs to enhance community engagement.

PROJECTS AND LEADERSHIP

MATH AND SCIENCE SKILL CENTER **Gambier, Ohio**

Lead Tutor August 2023 – May 2024

- Provide tutoring sessions for calculus, covering topics such as derivatives, integrals, vectors, and multivariable calculus. Helped students learn Maple: a mathematical software.
- Foster encouraging environment through healthy collaboration and peer-to-peer learning, enhancing students' problem-solving skills.

PROFESSIONAL EXTENSION PROJECT **Remote**

Mentee June 2023 – September 2023

- Performed in-depth valuation exercises, focusing on IRR, NPV, and equity premium concepts.
- Designed investment strategies for diverse client scenarios utilizing Monte Carlo simulations. Considered factors such as maximum drawdown, returns, contributions, and withdrawals.
- Developed a financial model, capturing key personal finance dynamics from youth to old age.

SKILLS

C#| Microsoft Blazor| FactSet Workstation| Excel| R| Stata| Python| SQL| Urdu/Hindi | Arabic (Advanced)

SAMYAK SHRESTHA

shrestha1@kenyon.edu | P: +1-740-504-1681 | linkedin/Samyak Shrestha

SUMMARY

Statistics major with a strong foundation in software design, machine learning, and data analysis, developed through diverse research and industry internships. Experienced in building predictive models, interactive dashboards, and managing complex datasets using Python, R, SQL, and Tableau. A self-starter and team player with strong attention to detail, organizational skills, and multi-tasking abilities, eager to contribute to cross-functional data operations and analytics initiatives.

EDUCATION

Kenyon College Gambier, OH
Major in Statistics, Concentration in Computer Science; **GPA**: 3.82/4.00, Merit List 2021-2024 Expected May 2025
Relevant Coursework: Data Analysis, Statistical Computing, Software Development, Data Structures and Algorithms

WORK EXPERIENCE

LeapFrog Technologies Kathmandu, Nepal
Data Science Intern May 2024 – Aug 2024

- Worked with the Government of Nepal's Ministry of Education to design a geospatial system for tracking the progress of school infrastructure projects, informing the construction of future buildings.
- Utilized Google Earth Engine and Google Colab to create boundary and building density maps for Nepal, incorporating datasets from Landsat-8, MODIS, and OpenStreetMap.
- Built a Random Forest classifier model for land classification, achieving accurate differentiation between urban and rural areas, and visualized land use patterns over the past decade to support strategic planning.
- Designed interactive dashboards in Tableau to visualize trends and track key metrics such as population density change.

The Ohio State University Columbus, OH
Research Intern in Statistics May 2023 – Sep 2023

- Conducted research with Professor Mario Peruggia (Department of Statistics) and Professor Shadrick Addy (Department of Design), on the Design and Evaluation of Virtual Reality (VR) experiences.
- Collected and analyzed 20+ different user behavior in VR data sets using an experiment called the Eye Gaze Study, and structured and queried the raw data.
- Designed and programmed a VR prototype with immersive data visualizations in Unity, increasing user engagement by displaying statistical insights from virtual experiments.

Kenyon College Boston, MA
Summer Scholar May 2022 – Sep 2022

- Conducted an analysis of political and economic trends among South Asian nations, identifying key shifts in power dynamics over three decades, and presented findings in a departmental seminar attended by 30+ students and faculty.
- Analyzed over 10 datasets and 50 scholarly articles from World Bank and IMF databases to develop four case studies on trade, debt, blockade, and development between China and South Asian nations, informing future academic research.

PROJECTS

- **The Gund Gallery Interactive:** Developed a web-based AI-driven feedback system that collects visitor input via QR codes, classifies sentiment into 12 emotions using NLP, and displays real-time insights on a TV screen. Designed and deployed the full-stack application on a Linux VM server using Apache, MySQL, PHP, and Python.
- **Cloud Managed Enterprise WiFi:** Worked with Professor Jim Skon to develop a secure, cloud-based WiFi management system using OpenWRT firmware and Raspberry Pis. Implemented MD5 hash verification to ensure AP state consistency, designed VLAN-based user authentication, and integrated real-time user monitoring.

SKILLS

Python, Pytorch, Tensorflow, CSS, HTML , Javascript, C++, Ruby, SQL, R, Microsoft Office, MS Excel, MS PowerPoint, Tableau, Power BI, Unity, Amazon Web Services, Business Intelligence, Quantitative Analysis, Artificial Intelligence

Braeden Singleton

braedensingleton3@gmail.com | 614-623-8719

Software developer interested in advancing cultural history and the humanities through custom technological solutions.

EDUCATION

BA in Math and Classics, Kenyon College, GPA 3.81
with Concentration in Computing
May 2025 *Gambier, OH*

Coursework

MATH MAJOR, PURE MATH FOCUS

- Research projects exploring applications to image spaces, such as tomography, denoising, and singular value decomposition
- Courses developed skills in MATLAB, Mathematica, Maple, and LaTeX coding languages

CLASSICS MAJOR, GREEK AND LATIN TRACK

- Read works including Homer, Plato, Herodotus, Sophocles, Cicero, and Vergil
- Experienced in translating and researching poetry, prose, and drama

COMPUTING CONCENTRATION

- Courses: Data Structures, Software Development, and Frontiers in AI: Models and Agents
- Software Development included team-based web app final project, developing planning and teamwork skills.

Projects

The Baly Digital Gallery, baly.kenyon.edu | github.com/Baly-Project/balyInterface.git

- Independently wrote a custom website for the Denis Baly Slide Collection; Increased accessibility and searchability, making it a more effective tool for browsing and research

Agentic AI Greek Parser

github.com/Bubballoo3/Greek-Parser.git

- Developed a system of Artificial Agents and tools to accurately parse Ancient Greek text. Employs LangGraph and Google Colab

Study Abroad, College Year Athens (CYA)
Fall 2023 *Athens, Greece*

Featured Coursework

ARCH 310: Digital Archaeology and Virtual Reality

- Performed photogrammetry of artifacts and sites using Metashape; Study modern Archaeological methods, data management, ethics, and best practices, including GIS and Cidoc-CRM

RELEVANT EXPERIENCE

Visual Resources Lead Curator, *Kenyon Department of Art History*
Student Employment, September 2021 – Present *Gambier, OH*

- Plan and coordinate the digitization, conservation, and publication of the Denis Baly Slide Collection, a 17,000 image collection spanning monuments and archaeology across the Mediterranean world and Middle East.
- Develop and implement new methods, software, and workflows for collecting, restoring, displaying images and data
- Oversee two assistant curators, develop workplans and coordinate deadlines to achieve project milestones

Kenyon Summer Scholars, *Writing the Baly Digital Gallery*
Student Research, Summer 2024 *Gambier, OH*

- Developed a novel and intuitive digital display software to browse and search the Denis Baly Slide Collection.
- Planned and implemented backend and frontend components, API interaction, and web hosting.
- Prioritized accessibility and maintainability, with custom features to enhance research and browsing experience
- Wrote production-level code, documentation, and testing, and used Ruby, HTML, CSS, and Javascript

Ohio State University OHIO-5 SURE, *Computing Tropical Interpolating Curves*
Research Internship, Summer 2023 *Columbus, OH*

- Worked with Prof. Maria Cueto developing tools to assist in cutting edge research into tropical curves
- Wrote user-friendly interface, and graphing interface with SageMath, developed using WSL and Emac

SKILLS

Professional: Digital humanities, project management, leadership, custom software applications, attention to detail, teamwork
Technical: Python, C++, HTML, CSS, Javascript, Ruby on Rails, Adobe Suite, Microsoft Office, Photogrammetry, Metashape

Aaryan (Aari) Somadder

Jupiter, FL | (925) 548-4186 | atgsomadder@gmail.com

PROFESSIONAL SUMMARY

Neuroscience and French & Italian double major looking for research or graduate opportunities in the neuroscientific, psychological, or linguistic fields. . Possesses neuroscientific and microbiological laboratory experience. Possesses native proficiency in English, C1 proficiency in French, and B1 proficiency in Italian.

EDUCATION

KENYON COLLEGE Gambier, OH

Bachelor of Arts in Neuroscience, French & Italian, 3.51 GPA *Anticipated Graduation: May 2025*

- *Relevant Coursework:* Cell Biology, Sensory Neuroscience, Hormones & Behavior lecture & laboratory, Psychopharmacology, Second Language Acquisition and Teaching, Francophone Canadian Literature, French Revolution, Modernism and Its Discontents: The 20th Century French Novel, Visions of Italy and 'Italianness'

MIDDLEBURY COLLEGE SCHOOL IN FRANCE & UNIVERSITÉ PARIS CITÉ Paris, France

Concentration in Psychoanalysis *August 2023 – December 2023*

PUBLISHED WORKS

- Liu Y, Van Horn AM, Pham MT, Dinh BN, Chen R, Raphael SD, Paulino A, Thaker K, **Somadder A**, Menke CC, Slimak ZC, and Slonczewski JL. 2024. Fitness tradeoffs of multidrug efflux pumps in *Escherichia coli* K-12 in acid or base, and with aromatic phytochemicals. *Applied and Environmental Microbiology*, in press.

RELEVANT EXPERIENCE

Kenyon College Department of Modern Languages and Literatures Gambier, OH

Assistant Teacher of French *August 2024 – Present*

- Acquaint and reinforce grammatical concepts learned in lecture courses.
- Promote cultural understanding of the Francophone world through art, music, and literature.
- Attend faculty meetings in order to serve a liaison between professors and students.
- Monitor, track and report student proficiency in verbal and written abilities.
- Develop classroom management skills in order to create a positive and welcoming learning environment.

Kenyon College Department of Biology, Bacteria Lab Gambier, OH

Assistant Lab Technician *August 2021 – May 2022*

- Correctly use micropipettes and roxy-pipettes in a variety of laboratory settings
- Make media, stock solutions, and diluted solutions according to laboratory needs
- Clean glassware and other equipment using an autoclave
- Properly dispose of biohazardous waste
- Perform fluorescence-assisted cell sorting (FACS) with BD FACSMelody™ cell sorter
- Use BD FACSChorus™ software

ADDITIONAL EXPERIENCE

Nordstrom Ebar Artisan Coffee Palm Beach Gardens, FL

Seasonal Barista *May 2024 – January 2025*

- Serve handcrafted beverages and food items
- Provide warm and attentive service

Starbucks Corporation Jupiter, FL

Seasonal Barista *May 2021 – August 2023*

- Perform point-of-sale transactions
- Effectively communicate with customers and serve their needs

AWARDS AND ACCOMPLISHMENTS

Kenyon College Gambier, OH

KEEP-STEM Scholar *June 2021 – Present*

- Awarded to selected students who demonstrate financial need and wish to pursue a major within the STEM field

SKILLS

LANGUAGES: Native proficiency in English, advanced proficiency (C1) in French, and intermediate proficiency (B1) in Italian

Katy Spilsbury

Cleveland, OH | katyspils@gmail.com | (216) 777-0347 | www.linkedin.com/in/katy-spilsbury

PROFESSIONAL SUMMARY

Dedicated molecular biology major with a strong interest in pursuing a career in science law. Experienced in biological laboratory techniques, experimental design, and leadership. Active member of the Knox County Symphony and Epsilon Delta Mu sorority.

EDUCATION

Kenyon College **Gambier, OH**

Bachelor of Arts, Major: Molecular Biology *Anticipated Graduation: May 2025*

- 3.95 GPA
- Merit list all semesters and recipient of the President's Scholarship for academic achievement

INVITED PRESENTATIONS

Central Ohio Worm Meeting *2023, 2024*

Metabolism, Aging, Pathogenesis, Stress, and Small RNAs in C. elegans Conference *2024*

Kenyon Summer Scholars Research Presentations *2024*

EXPERIENCE

Advancement Division, Kenyon College **Gambier, OH**

Scanning and Filing Assistant *August 2021-present*

- Analyzed and cross-checked data from databases to find and update alumni records
- Researched and updated files of current students and alumni, digitized over 1,500 records
- Corresponded with alumni to ensure accuracy and resolve discrepancies in their information

Kenyon Summer Science Program **Gambier, OH**

Summer Researcher *June-August 2024*

- Conducted research on rare mitochondrial disease, using *C. elegans*
- Coordinated multiple research projects, managed equipment schedules and ensured team efficiency
- Defined project goals, established systematic approaches to track progress, formulated follow-up inquiries in response to results
- Communicated findings effectively to both scientific and non-scientific audiences; contributed to drafting scientific articles for upcoming publication in peer-reviewed journal

Help to Others Summer Camp **Lakewood, OH**

Administrative Assistant *May-August 2023*

- Organized logistics for service projects and coordinated transportation for camp activities
- Supported counselors in engaging with campers, interacted with diverse population of campers
- Wrote and published newspaper articles regarding camp activities

Prevention Research Center for Healthy Neighborhoods **Cleveland, OH**

Summer Intern *June-August 2022*

- Evaluated food and tobacco products in Cleveland's stores, analyzed data with RedCap
- Collaborated with interns to complete evaluations, communicate project details to store owners
- Conducted primary literature search reviewing over 40 articles for upcoming publication

ACTIVITIES/LEADERSHIP

Molecular Biology Lab Assistant *September 2022-present*

Epsilon Delta Mu | Treasurer *May 2023-May 2024*

Epsilon Delta Mu | Alumni Relations Chair *May 2022-May 2025*

Knox County Symphony | Principal Second Violin *August 2021-May 2025*

Orientation Leader *August 2022, 2023, 2024*

Science Saturdays *November 2022, February 2023*

Frances Szaraz

(781)-350-8739 | frances.szaraz@gmail.com | Boston MA

Anthropology major with diverse research experience seeking lab-based research positions, particularly in the Boston area. Intent on eventually pursuing graduate programs that integrate molecular biology, biodiversity, anthropology, and species interactions. Passionate about honoring human perspectives within the biological sciences, scientific outreach, and interdisciplinary research.

Education

Kenyon College B.A in Anthropology (Minor in Biology); GPA: 3.91 *Expected May 2025*

Key Courses: Evolutionary Developmental Biology, Human Ecology, Molecular Biology, Medical Anthropology
Honors: Kenyon College Merit List, Fall (2021-Fall 2024), True Raffoul Field School Scholarship Recipient (2022, 2023), Jacob Samuel Benjamin & Noah Hillel Benjamin Award for Global Learning (2023), Cynthia Patterson Research Fund for Women in STEM, 2024

Portland State University, Public Field School in Archaeology *Summer 2022*

University of North Carolina Greensboro, Paleoanthropological Field School *Summer 2023*

Relevant Experience

Hicks Lab Student Researcher, *Kenyon College Biology Department* **Gambier, Ohio** *June 2024- Ongoing*

- Currently undertaking a bulked segregant analysis to determine the mutation associated with abnormal reproduction in a strain of the moss *Physcomitrium patens*.
- Responsible for growing and phenotyping a unique strain of constitutively reproductive EMS mutants and performing 65+ genomic DNA extractions.

Wright Lab Research Assistant, *Kenyon College Biology Department* **Gambier, Ohio** *January 2024-Ongoing*

- Digitize avian skeletal data to better understand ecological and evolutionary drivers of sexual dimorphism in bird locomotion (NSF CAREER Award Funded Project, PI: Dr. Natalie Wright).

Summer Science Scholar, *Kenyon College Anthropology Department* **Gambier, Ohio** *Summer 2024*

- Analyzed and identified microfossils preserved in dental calculus samples to better understand health, diet, ecology, and culture in a 12th century Icelandic settlement, reporting to Dr. Kimmarie Murphy, PhD.
- Responsible for developing laboratory protocols for the decalcification of ancient dental calculus samples.

Anthropology Office Intern, *Kenyon College* **Gambier, Ohio** *October 2022-Ongoing*

- Responsible for departmental upkeep, communication, and organization.
- Redesigned the department webpage in collaboration with the Kenyon Office of Communications to showcase student research experiences, internship opportunities, scholarships, and a news/resources page for Kenyon students.

Student Fieldworker, *Olduvai Paleoanthropology and Paleoecology Project* **Oldupai Gorge, Tanzania** *Summer 2023*

- Re-excavated Pleistocene fossil sites alongside an international research group at Oldupai Gorge to ecologically contextualize hominin evolution.
- Collected ecological data by mapping and analyzing the distribution of vertebrate remains in the Ngorongoro Conservation District to better understand savanna mortality patterns.

Federal Volunteer, *Fort Vancouver National Historic Site* **Vancouver, Washington** *June 2022-August 2022*

- Excavated and researched the 19th century Fort Vancouver Schoolhouse, a residential school for the Indigenous and Métis children of Hudson's Bay Company employees.
- Participated in conversation and engagement with local communities and Indigenous tribes over archaeological practices, research goals, and historical knowledge.

Community Engagement

Kenyon Anthropological Society, Co-Founder and Vice President, 2023-Ongoing
This Must Be The Place, Overdose reversal education volunteer, 2023, 2024
Focus Magazine, Editor, Spring 2024

Joshua Temple

Elmhurst, IL | (630) 743-1709 | 21jgtemp@gmail.com | Linkedin.com/in/joshuagtemple

PROFESSIONAL SUMMARY

Creative problem solver and leader, with expertise in machine learning. Skilled in research, data analysis, and problem-solving, with a passion for bridging theoretical concepts with practical applications. Seeking opportunities in data science, computer science, engineering, or research to deliver innovative impactful solutions.

EDUCATION

KENYON COLLEGE Gambier, OH

B.A. in Physics, Minor in Mathematics, Computing Concentration |***GPA:*** 3.58/4.0 *Anticipated Graduation: May 2025*

Relevant Coursework: Calculus III, Oscillations and Waves, Electromagnetism, Astrophysics, Linear Algebra, Computational Physics, Data Structures and Program Design, Quantum Mechanics, Scientific Computing Seminar

Athletics: Kenyon Men's Lacrosse Team (Captain 2024- 2025)

- Lead and motivate a team of 50+ athletes, fostering collaboration and accountability on and off the field.
- Coordinate with coaches and teammates to develop game strategies, resolve conflicts, and maintain a positive team culture.
- Serve as a liaison between players and coaching staff, ensuring clear communication and alignment of goals.

Community Involvement: Kenyon College Jazz Ensemble drummer, Volunteer at Access Sports (helping young athletes with disabilities)

RESEARCH EXPERIENCE

LIGO Lab, Kenyon College Gambier, OH

Research Assistant Jan 2024 – Present

- Developed machine learning models to predict glitch probabilities in LIGO gravitational wave data.
- Improved classification accuracy from 86% to over 90% by optimizing ML architectures.
- Applied TensorFlow and Scikit-Learn for supervised learning models and hyperparameter tuning.
- Analyzed large-scale datasets and developed visualization tools in Python (Matplotlib, R Studio).
- Collaborated with faculty to prepare findings for scientific publication (Spring 2025).

WORK EXPERIENCE

JT Detail and Wash Elmhurst, IL

Owner June 2018 – Present

- Founded and grew a self-run business, developing entrepreneurial and operational management skills.

Spengler Design and Construction Inc. Wheaton, IL

Laborer June 2023 – August 2023

- Engaged in problem-solving and teamwork while working on construction projects.
- Coordinated logistics and fostered relationships with third-party contractors.

True Lacrosse Lombard, IL

Coach May 2022 – August 2022

- Provided on-field and off-field coaching, instruction, and mentoring to players ages kindergarten to high school.
- Responsible for players during national travel.
- Created and executed practice plans to optimize player development, foster teamwork, and prepare for competitive play.

TECHNICAL SKILLS

Python, C, C++*:* Seasoned in program design in python and C, more specifically designing machine learning algorithms using pythons Tensorflow package. Experienced with Python's scientific libraries and (numpy, scipy, matplotlib, Tensorflow, etc).

LeTex (typesetting Language): Proficient in writing lab reports and other academic documents.

Logic Pro X (Digital Audio Workshop): Adept at producing and creating music for both personal and professional use.

Rachael Tomasko

tomasko1@kenyon.edu | (440) 759-6791 | LinkedIn; ResearchGate

SUMMARY

Aspiring research-oriented wetland scientist planning to pursue a PhD in ecology in the future. Seeking positions as a field research assistant with a focus on landscape ecology, the global carbon cycle, and/or plant functional characteristics. Committed to supporting meaningful environmental research and education.

EDUCATION

Kenyon College, Gambier, Ohio July 2021-May 2025
Bachelor of Arts in Biology (pursuing an honors thesis) and Environmental Studies CGPA 3.94
Scholarships: The Barry Goldwater Scholarship and Excellence in Education Foundation (2024); The Katharine M. Grosscup Scholarship in Horticulture (2023); Kenyon College STEM Scholarship

The School for Field Studies (SFS), Center for Rainforest Studies, Queensland, Australia Jan 2024-May 2024
Study abroad: Gained skills in experiment design, hypothesis testing, data gathering and analysis, and presenting results to diverse audiences

RESEARCH EXPERIENCE

Undergraduate Researcher and Summer Research Scholar: Kenyon College (Gambier, OH) Jan 2022-Present
Environmental Studies (ENVS) Sustainability Scholars Program; Advisors: M. Siobhan Fennessy, Ph.D. and Thomas L. O'Halloran, Ph.D. (Clemson University)

- *Links between floristic quality of USDA restored Conservation Reserve Program wetlands and carbon dynamics*

Andrew J. Bobick Summer Science Scholar: Kenyon College (Gambier, OH) June 2022-Present
Kenyon Summer Science Scholars Program; Advisor: M. Siobhan Fennessy, Ph.D.

- *Effects of Anthropogenic Disturbance and Restoration on Microbial Community Metabolic Profiles in Ohio Wetlands*

Undergraduate Researcher: The School for Field Studies, Center for Rainforest Studies (Queensland, AUS) Jan 2024-May 2024
Advisor: David Tng, Ph.D.; Deborah Apgaua, Ph.D.

- *The Vascular and Non-Vascular Plant Diversity of a Palm Swamp Forest in Mission Beach, Queensland, Australia*
- *Assessing bryophyte diversity of an Licuala ramsayi dominant wetland forest in Far North Queensland, Australia*
- **Publication:** Tomasko, R.E., Newman, M.P., Torrens-Martin, A.H.I., Zhang, A.E., Holman, V.F., Apgaua, D.M.G., Tng, D.Y.P. 2024. Vascular and non-vascular plant diversity of a Fan Palm (*Licuala ramsayi*) dominated swamp forest in Mission Beach, Queensland, Australia. *North Queensland Naturalist* 54: 79-93.

PROFESSIONAL DEVELOPMENT AND EXPERIENCE

Wetlands Restoration Intern at The Ohio Eastern Star Home (Mount Vernon, Ohio) Jan 2025-Present
Introductory Biology Lab Prep Assistant at Kenyon College (Gambier, OH) Aug 2024-Present
School for Field Studies (SFS) Alumni Ambassador May 2024-Present
K-STEM Mentor at Kenyon College (Gambier, OH) Aug 2023-Dec 2023; Aug 2024-Present
Biology Students Advisory Group Member at Kenyon College (Gambier, OH) Sep 2023-Dec 2023; Aug 2024-Present
Biology Greenhouse Assistant at Kenyon College (Gambier, OH) June 2022-Present
Cleveland Metroparks Volunteer (Cleveland, OH) July 2019-May 2024; Nov 2024-Present
Student Lead Coordinator in Search Committee for Ecosystem Ecology Assistant Professor of Biology tenure-track at Kenyon College (Gambier, OH) Oct 2024-Nov 2024
Naturalist, Outdoor Experience Assistant at Cleveland Metroparks (Brecksville, OH) May 2024-Nov 2024
Math and Science Skills Center (MSSC) Lead Tutor at Kenyon College (Gambier, OH) Jan 2023-Dec 2023
Student Committee Member in Search Committee for Assistant Professor of Chemistry, tenure-track at Kenyon College (Gambier, OH) Oct 2023-Nov 2023
Student Lead Coordinator in Search Committee for Sustainable Agriculture Assistant Professor of Environmental Studies, tenure-track at Kenyon College (Gambier, OH) Nov 2022-Jan 2023

KHUE B. TRAN

khuebtran03@gmail.com | linkedin.com/in/tranbaokhue/ | +1 (220) 203 - 9306 | Sydney, Australia

PROFESSIONAL SUMMARY

Mathematics and music graduate and PhD candidate at UNSW Sydney with a strong interest in healthcare research. Seeking opportunities to contribute to projects involving time series data and predictive modeling in areas like public health or real-time patient care. Excited to collaborate worldwide with hospitals and research institutes to enhance prediction accuracy and timeliness.

EDUCATION

Kenyon College **Gambier, OH**
Bachelor of Arts, *Mathematics (Statistical/Data Science Track) and Music Major* Class of 2025

- **GPA:** 3.98/4.0
- **Honors:** Merit List (every semester), Wendell D. Lindstrom Prize for Great Promise in Mathematics or Statistics (2022), Kathleen "Kay" Locke Community Service Prize in Music (2024), The Elmer A. Graham Endowed Scholarship for full tuition ($71,196) by the Board of Trustees (2024), Department of Mathematics and Statistics Community-Builder Award (2024)
- **Relevant coursework:** Calculus I-III, Nonparametric Statistics Research, Linear Algebra, Data Analysis, Statistical Computing with R, Bayesian Statistics, Applied Linear Algebra, Probability, Mathematical Statistics, Real Analysis I & II.

EXPERIENCE

Statistics Researcher January 2023 - Present
Kenyon College/ UNSW Sydney Gambier, OH/ Sydney, Australia

- Co-wrote a paper as first author to be submitted to the R Journal.
- Conducted 200+ Monte Carlo power studies to compare the empirical powers of proposed tests with existing procedures
- Enhanced previous codes's efficiency with parallel processing on multiple cores, reducing the simulation runtime up to 7 times

Mathematics and Statistics Lead Tutor September 2022 - Present
Math and Science Skills Center (MSSC), Kenyon College Gambier, OH

- Instructed over 30 students in Multivariable Calculus with visualizing surfaces, differentiation, optimization, and integration
- Guided students in Data Analysis through theoretical statistical models, brainstorming analysis project, visualizing data
- Troubleshot R and/or Maple coding errors and provided methods for students to quickly solve common issues

Stormwater Utility Analyst January 2023 - May 2023
Village of Gambier Gambier, OH

- Cross-checked and updated the village's ten-year-old stormwater utility charges with the Auditor's files and online GIS system
- Developed a new system to instantaneously update utility charges for parcels following renovation, saving about $2,000 per year

PROJECTS

Beer and Wine Worldwide Consumption/Supply – Data Wrangling Presentation

- Built new functions in R to scrape data from websites, join multiple datasets, and generate plots with *tidyverse* library
- Modelled wine and beer production for 179 countries with high accuracy (Adjusted R-squared: 0.9577 and 0.9739 accordingly)
- Employed the *patchwork* library to visualize and overlay data onto world map, enhancing geographic trends

Arsenic Poisoning Investigation Consulting Project

- Conducted comprehensive Bayesian analysis to assess the probability of each suspect being the poisoner, accounting for variations in arsenic metabolization rates
- Analyzed the lab results and showed how the positional trends in the evidence vector influence the posterior distribution

Global Maritime Pirate Attacks Bootstrap and Simulation Studies

- Employed ordinal logistic regression to anticipate attack types on ships, leveraging both numerical and indicator variables
- Implemented bootstrap resampling techniques to attain a reliable approximation of the misclassification error for the model
- Estimated the number of failed attempts before the first successful hijack and the probability of a hijack through simulations

CONTRIBUTED TALKS AND POSTERS

"Where is Markov heading? A Markov Chain's Stationary Distribution"

- Senior Mathematics & Statistics Poster Symposium, Gambier, OH – December 3, 2024 *(poster)*

"Comparing Nonparametric Tests for Interaction in Two-way ANOVA with Balanced Replications"

- Summer Science Scholars Research Showcase, Gambier, OH – October 13, 2023 *(poster)*
- WIMIN (Women in Mathematics in New England) Conference 2023, Northampton, MA – September 23, 2023

SKILLS

Languages: English (fluent), Vietnamese (native), French (elementary)
Technical Skills: Data wrangling and analysis, data visualization, Monte Carlo simulations, multivariate and logistic regression, Bayesian modeling and inference, nonparametric procedures, time series modeling using ARIMA, Multivariate Analysis of Variance, R package building, parallel computing, arbitrary precision arithmetic, and proficiency in LaTeX, Beamer, and Github.
Programming Experience in: R, MATLAB, C/C++, Maple, Python, and Wolfram.

AYMAN WADUD
Gambier, Ohio | aymanwadud@gmail.com | (740) 233-5616 | https://www.linkedin.com/in/ayman-wadud/

Molecular Biology major with 4 years of experience in multiple biomedical research settings. Proficient in wet lab techniques, AI/ML, and statistics. Seeking opportunities to advance therapeutics development and drug discovery in the biotech and healthcare industries.

EDUCATION

Kenyon College — Gambier, OH
B.A. in Molecular Biology, Minor in Statistics, Concentration in Computing and AI/ML — May 2025
Merit List (All semesters), GPA: 3.82/4.00

RESEARCH EXPERIENCE

Pishesha Lab, Harvard Medical School (Undergraduate Researcher) — May 2024 - Present
Powell Lab, Kenyon College (Advanced Molecular Biology Research Assistant) — August 2023 - Present
Slonczewski Lab, Kenyon College (Microbiology Research Assistant) — August 2021 - May 2023

PEER-REVIEWED PUBLICATIONS AND PRESENTATIONS

- **Wadud, A.**, Bueneman, K., Huang, B., Li, J., Powell, W. H. AHR Deficiency Does not Affect the Frequency of Developmental Deformities in *Xenopus tropicalis* Tadpoles. Poster presentation to be delivered at the SOT 64th Annual Meeting and ToxExpo, Orlando, FL, March 2025.
- **Wadud, A.**, Fitzgerald, B. A., Slimak, Z., & Slonczewski, J. L. (2023). Enterococcus faecalis OG1RF Evolution at Low pH Selects Fusidate-Sensitive Mutants in Elongation Factor G and at High pH Selects Defects in Phosphate Transport. Applied and Environmental Microbiology, 89(6), e00466-23. https://doi.org/10.1128/aem.00466-23

TEACHING AND MENTORING EXPERIENCE

Gene Manipulation Lab, Kenyon College (Teaching Assistant) — Fall 2024, Spring 2024
K-STEM Program, Kenyon College (Peer Mentor) — September 2024 - Present

WORK EXPERIENCE

Office of Residential Life, Kenyon College (Community Advisor) — August 2022 - Present
Office of Communications, Kenyon College (Creative Producer/Photographer) — October 2021 - Present

LEADERSHIP EXPERIENCE

Biology Students Advisory Group, Kenyon College (Student Coordinator) — September 2023 - Present
Biology Faculty Search Committee, Kenyon College (Lead Student Coordinator) — Spring 2024, Fall 2024
Biotech Club, Kenyon College (Founding President) — September 2024 - Present
Kenyon Photography Club, Kenyon College (Founding President) — November 2021 - Present
South Asian Society, Kenyon College (Social Chair) — August 2023 - Present

AWARDS AND FELLOWSHIPS

Frequency Bio Fellowship (Pillar VC) — 2024
Immunology Undergraduate Summer Fellowship (Harvard Medical School) — 2024
Pelotonia Scholarship (Kenyon / James Cancer Center Partnership) — 2023
Summer Science Scholarship (Kenyon College) — 2022

SKILLS

- **Laboratory:** Basic molecular biology (Subcloning, restriction digests, electrophoresis, western blots, nucleic acid preps, PCR, flow cytometry); Immunology and protein engineering (Phage display panning, gBlock design, immune-engineering, protein production and purification, ELISA); Microbiology (bacterial cultures, growth curves, antibiotic potency assays/MICs); Mammalian cell culture (sterile technique, transfection, bulk electroporation); Histology (cryosectioning, IHC, fluorescence microscopy); Rodent surgery.
- **Computer:** R, bash shell script, python, HTML, C/C++, SQL, Fiji ImageJ, ChemDraw, MestReNova, Jmol, IBM SPSS Statistics, Microsoft Office (Word, Excel, PowerPoint, Access), Adobe Creative Suite (Lightroom, Photoshop), Canva; ML/AI expertise (LLM, generative AI, prompt engineering, RAG, LangChain, multi-agent architecture, etc.); Internet proficiency; data analysis; script automation; skilled at organizing large amounts of data for presentations and group meetings.

Lillian G. Webb

lillianwebb375@gmail.com
https://www.linkedin.com/in/lillian-g-webb/
(251)-382-8165

A writer and AI enthusiast with an interdisciplinary background open to a variety of fields such as education, information science, and scientific communication. Interested in living in Midwestern cities, but open to other opportunities.

Education: Expected graduation May 2025
Kenyon College Gambier, Ohio
B.A. English with Minor in Anthropology, Concentration in the Integrated Program in Humane Studies, Concentration Program in Computing

Work Experience:
Writing Center, Kenyon College, (August 2024-present)
Writing Center Tutor and Liaison Gambier, Ohio

- Work with an average of 4 students a week to help them refine their ideas in writing.
- Help implement strategies for academic success via tutoring.
- Achieved Employee of the Fortnight. (October 2024)

Hoskins-Frame Summer Science Kenyon College (Summer 2024)
Writing Scholar Gambier, Ohio

- Created both fictional and nonfictional writing pieces that were focused on communicating scientific information in an interesting way.
- Worked on time management to be able to create four pieces that were placed in a collaborative anthology.
- Focused on improving my communication skills to help people understand science.
- Discussed my work with others.

Girl Scouts of Southern Alabama, (June 2021 – July 2022)
Camp Counselor Citronelle/Eclectic, Alabama

- Collaboratively supervised ~ 18 campers in cleaning and housekeeping protocols.
- Responsible for camper safety and wellbeing.
- Supervised games and assisted with craft activities, utilizing skills with recall and spontaneity.
- Aided with independence and self-advocacy.

Skills Acquired Through Classwork:
Composition
Research
Determination
AI Prompt engineering/writing
Elementary programming in Python and C++

Availability: July 2025

Luke Wilson

(270) 779-5156 | wilson9@kenyon.edu | linkedin.com/in/luke-wilson-31b350205 | Bowling Green, KY

Professional Summary

Detail-oriented researcher, experienced in machine learning and data analysis. Skilled in Python, R, and C++, with a proven ability to develop innovative solutions. Open to all fields, with a strong interest in data science, machine learning, physics, engineering, finance, and energy.

Education

Kenyon College Expected May 2025

B.A. Physics, Computing Concentration | ***GPA: 3.9/4.0*** *Gambier, OH*

- **Courses**: Calculus-Based Probability, Data Structures and Algorithms, Quantum Mechanics, Optics, Electromagnetism, Differential Equations, Linear Algebra (WKU), Computational Physics, Calculus I-III.
- **Honors**: Merit List, National Honors Society in Physics Member (Sigma Pi Sigma), Scientific Research Honors Society Appointee (Sigma Xi).

Experience

Computational Physics Tutor Jan. 2024 – Current

Kenyon College *Gambier, OH*

- Individually selected to mentor **over 25** students enrolled in Computational Physics or similar courses each spring, explaining challenging physics and programming concepts to **both** Physics and non-technical majors.
- Coordinated with professors and **5 other physics tutors** to ensure availability and high-quality assistance.

Student Researcher - LIGO Signal Processing Aug. 2022 – Current

Kenyon College *Gambier, OH*

- Currently work as a student researcher in the Kenyon College affiliate lab of the Laser Interferometer Gravitational-wave Observatory (LIGO) collaboration.
- Worked jointly with current and former students to develop a comprehensive machine learning algorithm in **Python**, called TITANFALL, contributing to a project comprising over **thousands of lines of code** for gravitational-wave identification and classification.
- Utilized both **Hyperband** and **Bayesian** hyper-parameter tuning techniques to optimize model accuracy.
- Actively and individually designing a **new random forest model** from previous neural network architecture.

Visiting Student Researcher (NSF REU) May 2024 – Aug. 2024

University of Florida *Gainesville, FL*

- Selected for a **highly competitive, federally funded** research program at the UF's Department of Physics.
- Leveraged advanced **quantitative analysis** and computational techniques in **Fortran 77** and **Python** to **model and evaluate** low-temperature quasicrystalline material properties.
- Successfully uncovered **novel information** about quasicrystalline incommensurate potentials that was not yet considered by principal investigators.
- Authored an academic paper that introduced the new discovery, ultimately **sparking new directions for research** with **potential for publication**.

Visiting Student Researcher May 2023 – Aug. 2023

Ohio State University *Columbus, OH*

- Spearheaded independent research on a **new semiconductor material**, GaAsSb, using **Transient Microwave Reflectance (TMR)** (not previously attempted for this material).
- Proactively **learned and troubleshot** the 8D software for TMR, performing **hundreds of data collection runs** to study the conductivity of GaAsSb.
- Presented research findings at the **OSU Undergraduate Summer Research Conference**, delivering a talk that communicated complex concepts to an audience of **50+** attendees, fostering future research directions.

Technical Skills

- Programming Languages: Python, R, C++, Fortran.
- Machine Learning: Scikit-learn, TensorFlow, Gaussian Processes, Random Forests.
- Data Science: Pandas, NumPy, Matplotlib.
- Scientific Computing: LaTeX, Mathematica, Bash scripting.
- Tools: Git, Jupyter, Linux.

ANNASTASIA ROSE WINSTON

CONTACT

651-308-5276

annrosew32@gmail.com

St. Paul, MN

SKILLS

Proficient in C++, Python, SQL

Proficient in ArcGIS

EDUCATION

Bachelor of Arts

Kenyon College

2021-2025
History Major
Philosophy Minor
Concentration in Computer Science

GPA: 3.93

LEADERSHIP EXPERIENCE

Kenyon College History Society & Student Advisory Board
Co-Founder
Facilitated multiple academic and social events for history department

Unity House Outreach Volunteer
Represented Unity House (Kenyon College Queer Affinity House) and conducted outreach at various campus activities

Props Manager (*Rocky Horror Picture Show,* October 2023)
Managed props and construction for student-run production

Lighting Designer/Operator (*Strange Creatures*, April 2022)
Designed and operated lighting for main stage on-campus production

PROFILE

History major with a philosophy minor and concentration in computer science. Proficient in C++, Python, and SQL. Experienced in using ArcGIS for historical research, with experience combining technology and history to create more accessible ways to explore history. Seeking to apply interdisciplinary skills in fields of digital humanities or historical related data analysis.

RELEVANT EXPERIENCE

Kenyon College Math and Science Student Center

Computer Science Tutor August 2023-Present

- Provided one-on-one tutoring to peers to aid their understanding of principles and structures of computer programming
- Served as teaching assistant for Intro Programming courses
- Assisted students in becoming proficient in Python and C++

Kenyon College Summer Scholar

Independent Researcher May-August 2024

- Conducted historical mapping project using ArcGIS to visualize Eastern Europe's geopolitical boundaries and track refugee movements during World War I
- Researched existing interviews from the United States Holocaust Memorial Museum archives
- Extensive experience researching archival documents and interviews

The Gund

Independent Study Project January-May 2024

- Undertook an independent study in computer programming with the department chair of the Computer Science department and staff of The Gund, a contemporary and historical art museum
- Created an accessible user feedback system to prompt a deeper engagement from museum visitors

ADDITIONAL EXPERIENCE

Kenyon College History Society

Website Designer September 2024-Present

- Created and maintained new website for students and faculty using Weebly website building software

Kohls Department Store

Sales Associate May-August 2022

- Managed point of sale system and provided excellent customer service
- Maintained fitting rooms to enhance customers' experience
- Organized store inventory and assisted customers

Ryan Yarcusko

Perrysburg, OH | (419) 420 5103 | yarcusko1@kenyon.edu | https://www.linkedin.com/in/ryan-yarcusko-b0a8aa282/

PROFESSIONAL SUMMARY

Biliterate and detail-oriented molecular biologist with almost four years of physiology research experience and three years of clinical experience, seeking work as a lab technician on the molecular or cell biology level in a medical or environmental research lab. Most passionate about creative problem solving, collaborative work, and learning new techniques.

EDUCATION

KENYON COLLEGE Gambier, OH

Bachelor of Arts in Molecular Biology with a Minor in Spanish, 3.96 GPA *Anticipated Graduation: May 2025*

Honors: Merit List, Anticipated Graduation with Honors

Relevant Coursework: Biotechnology, Molecular Biology, Cell Biology, Molecular Neuroscience, Gene Manipulation

PUBLISHED WORKS

- **Yarcusko, R. S.**, Song, M. H., Neuger, G. C., Romero, M. F., Piermarini, P. M., & Gillen, C. M. (2024). *Function and regulation of the insect NaCCC2 sodium transport proteins. Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, 296, 111685. https://doi.org/10.1016/j.cbpa.2024.111685

RESEARCH EXPERIENCE

Undergraduate Research Assistant, Characterizing Insect Ion Transporters Sep 2021 – Present

Kenyon College Gambier, OH

- Developed and optimized assays to functionally characterize insect ion transporters using cation chromatography.
- Confirmed two previously uncharacterized Na^+ binding sites using functional mutagenesis.

The Ohio State University Wooster, OH

- Measured functional properties of ion transporters using electrophysiology.
- Virtually screened potential inhibitors using AlphaFold 3D modeling.

RELEVANT EXPERIENCE

Patient Care Technician May 2022 – Jan 2025

Bon Secours Mercy Health Oregon, OH

- Communicated treatment decisions to patients, such as dietary restrictions.
- Managed the care of 5+ patients per day in a fast-paced, demanding environment.
- Implemented life-saving care in high-stress situations, such as cardiac arrest.
- Coordinated responsibilities with medical professionals of all levels and areas of expertise.
- Meticulously documented all activities relevant to patient care.

CONFERENCES/POSTER PRESENTATIONS

Ohio Physiological Society Athens, OH
Sep 2024

Ohio State Summer Research Consortium Columbus, OH
Jul 2024

Society for Integrative and Comparative Biology Seattle, WA
Jan 2024

Kenyon College Summer Research Poster Session Gambier, OH
Sep 2023

AWARDS AND ACCOMPLISHMENTS

Hancock County Community Foundation Findlay, OH
L. Margaret Riedel Scholarship Aug 2021-2024

Kenyon College Gambier, OH
President's Scholarship Aug 2021-2024

Hancock County Community Foundation Findlay, OH
Scott Charles Younger Scholarship May 2021-2024

Kenyon College Gambier, OH
Barry M. Goldwater Scholarship Departmental Nomination Nov 2023

SKILLS

LANGUAGES: Biliterate in Spanish and English

TECHNICAL: Cation Chromatography, Two-Electrode Voltage Clamp, R (programming language), AlphaFold, Manuscript Writing/Revision, Experimental Design

CERTIFICATIONS: Biomedical Responsible Conduct of Research, BLS for Healthcare Providers

Syeda Rida Zaneb

Gambier, OH | 740-4855033 | zainebrida@gmail.com | linkedin.com/in/s-rida-zaneb

PROFESSIONAL SUMMARY

Mathematics and Statistics undergraduate with a concentration in Computing, skilled in Python, R, SQL, and Tableau. Experienced in API integration, machine learning pipelines, and scalable network solutions. Published health-tech insights and optimized investment strategies using data-driven approaches. Seeking data science or tech roles to apply analytical and technical expertise to impactful projects.

EDUCATION

Kenyon College — **Gambier OH**
B.A. in Mathematics and Statistics, English, Concentration in Computing — May 2025

Queen Mary University of London — **London UK**
IFSA Study-Abroad Program — September - December 2023

- **GPA**: 3.52 /4.0
- **Honors:** Dean's Merit List, Pi Mu Epsilon Math Honors Society Member
- **Relevant Coursework:** Data Analysis, Probability, Multivariate Calculus, Statistical Computing in R, Software Development, Data Structures, Database Systems, Linear Algebra
- **Activities:** International Society at Kenyon board, South Asian Society, Philanthropy intern

EXPERIENCE

Langar Holdings Inc. — **San Diego, CA (Remote)**
Data Science Research Collaborator — August 2024 - Present

- Creating scientific health-tech articles to contribute to the company portfolio for clients.

Data Science and Content Intern — Summer 2024

- Published 6 scientific articles on health-tech issues, contributing to proprietary research.
- Assisted with API integration on a python platform for the company's LLM model to track market trends.
- Collaborated with the offshore tech team and presented findings to stakeholders.
- Utilized data science tools (SQL, Tableau) to help track and optimize fund investments in health-tech.

Kenyon College IT Services — **Gambier OH**
Lead Technology Support Assistant — Aug 2021 - Present

- Provide technology support for faculty, staff, and academic technologies for 1500 users.
- Troubleshooting technology issues, securely erasing outdated equipment, and contributing to system upgrades.
- Developing strong communication, project management skills, and advanced hardware/software knowledge.

NOTABLE PROJECTS AND RESEARCH

Department of Computing — **Kenyon College**
Open-Source Cloud Managed Enterprise Wifi — January - May 2023

- Collaborated in the research and development of a cloud-based WiFi enterprise solution, focusing on scalable network architectures, seamless integration of access points
- Conducted performance testing and analysis to optimize network efficiency and reliability across multiple endpoints, ensuring secure, high-availability wireless connectivity for enterprise environments.

Digital Humanities CoLab — **Kenyon College**
Fashion Trend Analyzer Project — August - December 2024

- Developed an AI-driven app to analyze Instagram posts tagged with South Asian fashion hashtags using sentiment analysis, KMeans clustering, and LangChain for trend insights. Built an interactive Gradio interface, processed data with Python libraries, and leveraged Apify's Instagram scraper to collect and analyze engagement metrics.

Shirley Zhang

zynxpy@gmail.com • *(740) 233-5563* • www.linkedin.com/in/shirleyzyn

An incoming graduate student at Columbia University with hands-on experience in data detection and analysis. Eager to apply my skills in Applied Analytics to business data analyst internship opportunities. Highly adaptable, quick to learn, and proficient in R, Python, SPSS, and MATLAB. Committed to contributing my unique ability to integrate data insights while gaining valuable professional experience.

EDUCATION

Kenyon College **Gambier**
Bachelor of Arts, Economics and Psychology; Minor in Mathematics | GPA: 3.74 Expected May 2025

- *Awards*: Merit list 2021-2024
- *Relevant Coursework*: Econometrics, Data Analysis, Portfolio Allocation, Time-series
- *Projects:* STATA-based Socio-economic Trends Analysis (Fall 2023), Data analysis - Logistic Regression Project (Spring 2024),
- *Community Involvement:* Chinese Culture Club (Secretary, Panel Organizer); International Student Association (Member), Kenyon Outdoor Club (Member)

EXPERIENCE

Trassion (*The largest smartphone manufacturer by sales in Africa in 2017)* **Shanghai | China**
Digital Marketing Internship *June 2024 – August 2024*

- Executed ETL processes on global digital marketing data for 50+ countries, utilizing advanced Excel skills to ensure data accuracy and integrity
- Conducted user and market research based on data from posts with over 2.5M impressions to produce a research report with actionable business insights for marketing strategy-making
- Collected data on prices, user feedback, distribution channels, and other relevant factors to perform a product analysis on the foldable smartphone launched in the first half of the year to support strategic decision-making

Possible **Remote**
Fellow *June 2024 – July 2024*

- Completed a data-focused project simulating entry-level data scientist responsibilities
- Selected as one of 50 students nominated by faculty and accepted into the GLCA Career Accelerator powered by Possible, a competitive tech career development program
- Engaged in 25+ hours of networking and professional development with top tech industry leaders
- Gained actionable insights into strategic thinking frameworks across various tech functions

MM Capital **Shanghai | China**
Investment Banking Analyst Internship *July 2023 - August 2023*

- Conducted in-depth research and analysis by referring to securities reports and annual reports released on the official website to support private placements
- Leveraged advanced Excel skills to wrangle and visualize 60 years of Japanese food industry data to conduct a comparative analysis and forecast of food industry trends in China and Japan
- Visited store sites to obtain information on the sales, store layout, production process, and supply chain issues for industry analysis of the Chinese baking sector

Bulgari **Shanghai | China**
Compensation and Benefit Internship *June 2023 - July 2023*

- Communicated with managers of 50 Bulgari boutiques to ensure delivery and receipt of important materials
- Conducted data entry and wrangling of social security and insurance funds for over 400 employees

Kenyon College **Gambier | Ohio**
Lead Economics Tutor *September 2022 - December 2024*

- Selected as a top Economics student and provided tutoring to over 100 peers
- Engaged in training and development sessions to enhance tutoring effectiveness and develop innovative teaching techniques

SKILLS

Languages: English (fluent), Chinese (native)
Technical: R (proficient), Python (basic), Stata (basic), SPSS (proficient), MATLAB (basic)
Platform: Microsoft (proficient), Google Workspace (proficient)