

EDUCATION

Skidmore College, Bachelor of Arts in Biology	Saratoga Springs, NY
Cumulative GPA: 3.90 Dean's List: All semesters	May 2025
<i>Minor:</i> Management and Business	
Oxford University, Oxford, England Travel Seminar	Summer 2022
Chosen to attend Philosophy and Psychology program	
London First Year Experience, Skidmore College	Fall 2021
Selected to study abroad first semester of college through Skidmore's London FYE program	

RESEARCH EXPERIENCE

Genotyping <i>Anaplasma phagocytophilum</i> Research Intern, NYS Dept. of Health	Summer 2023-Spring 2024
- Established protocol based on existing literature - Executed PCR and gel electrophoresis to differentiate between strains - Assembled samples for sequencing	
Dept. of Management and Business Research Assistant to Dr. Caroline D'Abate, Skidmore College	Fall 2023-Spring 2024
- Conducted content analysis of career narratives as part of a study on job design and job satisfaction - Developed presentation materials summarizing management research	
New York State Dept. of Health Wadsworth Laboratory Research Intern, Biggs Laboratory Tick lab	Summer-Fall 2023
- Identified species after field collection for sample to be placed in proper testing conditions - Assisted in operation of DNA extraction protocol with Qiagen Cube - Ran qPCR protocol & analysis to identify tick borne pathogens	
Bacterial Isolate Resistance and Identification Research Lead, Biology Dept. Skidmore College	Summer-Fall 2023
Awarded grant to perform heavy metal resistance assays and genomic sequencing on isolated bacteria from contaminated soil samples	
Bacterial Resistance Lab Research Assistant, Biology Dept. Skidmore College	Spring 2023
Performed molecular analysis of metal resistant prokaryotes near historically polluted sites in Saratoga County	

LEADERSHIP EXPERIENCE

Skidmore College Environmental Action Club, President	Spring 2023 – Present
- Drafted and presented proposal to Skidmore College President calling for formation of climate task force - Organized Earth Day celebration with 800 attendees with food, music, activities, and zero waste	
Skidmore College Campus Sustainability Subcommittee, Student Representative	Spring 2024-Present
- Aid in curating college wide building/new project policy that aligns with campus sustainability goals - Advise revision of Skidmore College's Campus Sustainability Plan resulting in a larger climate focus	
Skidmore College Green Grant Program, Student Representative	Fall 2023-Present
- Review grant applications in collaboration with faculty evaluators - Evaluate applications for student led initiatives that promote the college's sustainability goals	
Skidmore College Disease Ecology and Evolution, Teacher's Assistant	Fall 2024
Support students with course work and lab protocols	

ACADEMIC HONORS AND AWARDS

Porter Wachenheim Presidential Science and Mathematics Scholarship	Fall 2021
Porter Wachenheim Scholarship given annually by Skidmore College in Science and Mathematics based on superior accomplishment in the field	
Sacred Heart Science Research Award Recipient (3 Year Achievement Award)	Spring 2021
In recognition of research project investigating the presence of antibiotics in poultry products	
Philippine Duchesne Award	Spring 2021
The highest award given to the graduating senior selected by the faculty, who in their daily life demonstrates a steadfast purpose, willingness to seek out challenges, and generosity of spirit	

ADDITIONAL SKILLS

Technical: Advanced in Microsoft Office, Intermediate in SAS

Language: Intermediate in Mandarin (oral and written)

Microscopy: Conventional and Confocal

Techniques: PCR, qPCR, Immunocytochemistry, Cell Culture, Liquid Chromatography Mass Spectrometry, DNA Extraction