

William Holzman
wholzman@middlebury.edu

EDUCATION

Middlebury College

Bachelor of Arts Candidate: Double Major: Molecular Biology & Biochemistry, Computer Science

Middlebury, VT

May 2023

GPA: 3.79;

Completed Course Work: Organic Chemistry, Biochemistry of Metabolism, Data Structures and Algorithms

Computer Skills: HTML, CSS, Python, Java Script, Swift, Excel, PowerPoint, Google Drive

EXPERIENCE

Undergraduate Biochemistry Research Assistant

French lab, Middlebury, VT

Summer 2021 - Present

- Researched HECT-E3 ubiquitin ligase branching specificity
- Gained skills in experimental design and creative problem solving
- Worked on an independent study researching branched ubiquitin chains
- Formally presented results to peers in the French lab

Molecular Ecology Research Assistant

Lisman Labs, Bronx, NY

Summer 2017 & 2018

- Established an ongoing study into stress response in smooth chord grass
- Conducted experiments such as PCR, Western Blots, Barcoding and Methylation Assays
- Kept a detailed lab notebook on each experiment's procedures

Molecular Ecology Field Research

Lisman Labs, Toolik Field Station, AK

Summer 2018

- Gathered samples from Long Term Ecological Research plots at Toolik Field Station
- Traveled to Arctic Alaska to assist two ongoing Arctic Boreal Vulnerability Experiments (ABOVE)
- Retrieved Spruce samples to study arctic latitudinal tree-line

Undergraduate Biology Research Assistant

Coe Lab, Middlebury, VT

February 2020 - April 2020

- Assisted on a Natl. Science Foundation experiment studying moss desiccation
- Watered, inspected and inventoried the dry land mosses
- Created new samples when mosses were contaminated

Founder and Co-Leader at VotEd Tech Start Up

New York, NY

September 2018 - October 2020

- Led a team of 7 student software developers on a day to day basis
- Developed an app to guide new voters through the voting process and help understand the candidate pool
- Presented product at New York Tech Meet Up 2019

Middlebury College Residential Life Staff

Middlebury, VT

Paid Resident Advisor

August 2020 - Present

- Supported and supervised freshman and sophomore students academically and emotionally
- Learned and utilized conflict management skills to mediate resident disputes
- Created a welcoming and close knit community for residents

Middlebury College Cook Commons Council

Middlebury, VT

Member

September 2019 - May 2020

- Organized and hosted events for students in the Cook commons
- Gained experience in leading and running social events
- Learned how to plan impactful events with minimal costs.

ADDITIONAL ACTIVITIES

College Activities: Pre-Health Society Member, Community Service House, Club Frisbee, Club Volleyball

High school: Riverdale Country School

Bronx, NY

Activities: RivTech- Computer Science and Robotics Club, Classics Club, Varsity Rowing

June 2019