

FirstName LastName

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Education

Bachelor of Science, Molecular Biology, Biochemistry, and Bioinformatics (MB3)

May 20XX

Towson University, Towson, MD

- GPA: 3.6
- Member, MB3 Club (Sept 20XX-Present)
- Honors: National Society of Collegiate Scholars, Honors College, Dean's List (all semesters)
- Captain, Intramural Flickerball Team (Sept 20XX-May 20XX)

Research Experience

Honors Thesis

Feb 20XX-Present

Towson University, Towson, MD

- Clone Lorax IDH in *E. coli* and characterize recombinant protein
- Enter data into Mathematica Solution for Chemistry software for on-going analysis
- Develop results and conclusions for project defense poster sessions

Research Assistant

Aug 20XX-May 20XX

Towson University Human Biology Lab, Towson, MD

- Performed and reported on isolation of microtubule severing proteins from *Chlamydomonas Reinhardtii*
- Collected data from over 15 active samples
- Explored the mechanism of thioredoxin and purified thioredoxin and its reductase from rat liver
- Tested batteries and capacitors for control specifications
- Collaborated with team of four introductory biology students to run five testing sessions

Related Experience

Laboratory Teaching Assistant

Aug-Dec 20XX

Towson University, Towson, MD

- Prepared and directed lab clean-up for classes of 20 students
- Tutored students in subjects including organic chemistry, introductory biology, and bioinformatics

Volunteer Writing Aide

Aug-Dec 20XX

Towson University Technical Writing Center, Towson, MD

- Met individually with an average of 10 students per week for peer proofreading sessions
- Created a workshop for undergraduate research writing techniques
- Recruited six new volunteer writing aides from biology and chemistry departments

Laboratory and Technical Skills

- Biochemistry: Tissue homogenization, column and thin layer chromatography, fraction collection, spectrophotometry (UV/Vis), protein and enzyme assays, SDS-PAGE, HPLC, ultracentrifuge
- Cell Biology: Light and phase contrast microscopy, hemocytometer, sterile technique, cell culture, genomic DNA purification (*Chlamydomonas*), density gradient and differential centrifugation
- Molecular Biology: Subcloning and protein expression with plasmids, maintenance of *E. coli* cultures, liquid and agar media preparation, DNA manipulation, PCR, agarose electrophoresis, Southern and Western blots, radiolabeling, autoradiography
- Genetics: Maintenance and breeding of *Drosophila*, tetrad analysis of *Chlamydomonas*
- Software: Microsoft Office (Excel), JMP-IN, Macdnasis, Mathematica Solutions for Chemistry