

Ima Biologist (they/them/theirs)

Northfield, MN | (XXX) XXX-XXX | St. Olaf Email

EDUCATION

St. Olaf College, Northfield, MN

Anticipated Graduation May 2024

Bachelor of Arts, Biology | GPA: 3.75

Honors/Awards: Buntrock Scholar (Highest Offered Academic Merit Award); Dean's List: May 2021, May 2022

RESEARCH EXPERIENCE

Biology Student Researcher, Biology Department, St. Olaf College, Northfield, MN

September 2021 – Present

Researcher; P.I. Dr. Pa Example

- Utilized biochemical methods to determine the contribution of specific catalytic residues in Arabidopsis homologs to the human protein O-GlcNAc transferase.
- Expressed and purified mutant protein via His tag and affinity chromatography
- Utilized SDS-PAGE and immunoblotting to confirm the overexpression of the mutant protein

Virtual Intern, Amsterdam Genome Diagnostics, Amsterdam, the Netherlands

June - August 2023

Supervisor Dr. Bartel Example

- Learned about methods of gathering/analyzing epigenetic data related to rare heritable disorders in children
- Developed educational literature as part of a team in English, targeting children and their families affected by a variety of rare health conditions (samples available at this [link](#))

Undergraduate Research Intern, Biology Department, St. Olaf College, Northfield, MN

February - May 2022

Researcher; P.I. Dr. Anastasia Example

- Applied a CRISPR/Cas9-based transgenic murine model to study skin cancer progression dynamics
- Presented ongoing results at the July 2021 campus basic science student research event

LEADERSHIP AND SERVICE EXPERIENCE

Volunteer, Community Action Center of Northfield, Northfield, MN

September 2021 – Present

- Organized events to gather resources for unhoused people in Minnesota using social media and other strategies
- Participated in six-week leadership development and advocacy workshop series

Vice President, Tri Beta Biology Club, St. Olaf College, Northfield, MN

September 2022 – May 2023

- Led the collaboration with the Piper Center (the campus career services office) to organize events to make students aware of various careers in Biology and to connect them with St. Olaf alumni in biological fields
- Created and implemented a new virtual service-learning project with a local elementary school to facilitate community engagement and to support pre-college STEM students during the COVID-19 pandemic

Ecology Lab Teaching Assistant, Department of Biology, St. Olaf College, Northfield, MN

June - August 2021

- Designed and prepared ecology labs to supplement the information taught in lecture
- Graded student scientific writing and lab write-ups

SKILLS

Research: Cell Culture, Western Blot Northern Blot, Agarose Gel Electrophoresis PCR/ qRT-PCR, Plasmid and siRNA Transfection Virus Infections and Maintenance; DNA/RNA Extraction and Purification Protein Harvest and Quantification

Computer: Microsoft Excel, PowerPoint, Word, MiniTab, SPSS