

EDUCATION

St. Olaf College

Bachelor of Arts

Major: Bioinformatics, Concentration: Statistics & Data Science

May 2026

Northfield, MN

WORK & VOLUNTEER EXPERIENCE

St. Olaf College

Research Assistant - St Olaf College

Research Assistant - University of Montana

Remote

Sep 2024 – May 2025

March 2024 – May 2024

- Identified and logged Wisconsin fauna from camera trap images.
- Flagged discrepancies between image sets.

Buntrock Commons

Building Manager

Building Assistant

Northfield, MN

Sep 2024 - May 2025

Dec 2022 – May 2024

- Answered student and visitor questions at the front desk, provided directions and checked out resources.
- Maintained a Google Sheet for the lost and found item inventory and returned lost items to owners.

Ebenezer Ridges Care Center

Certified Nursing Assistant

Burnsville, MN

Jul 2022 – Jan 2023

- Assisted long term and transitional care patients with performing activities while preserving their independence.
- Anticipated needs of memory care and hospice patients by close observation of subtle cues.
- Documented the care provided and reported any concerns about weight, skin changes, or behavior to the nurse.

RESEARCH EXPERIENCE

Quantification of Lipid Droplets in *Tetrahymena Thermophila*: An Image Processing Based Approach

Midwest Protozoology Conference

Galesburg, IL

Apr 2024

- Developed a user-friendly GUI for selecting folders of microscope images.
- Created a fast and effective image processing pipeline to count lipid droplets in *Tetrahymena* cells.
- Gave an interactive talk about the necessity of counting lipid droplets automatically.

The Impact of Mental Health Stigma on Outcomes in Pheochromocytoma

4th Place Award | HOSA International Leadership Conference

Nashville, TN

Jun 2022

- Collected responses from 30+ pheochromocytoma and paraganglioma patients by outreach on social media.
- Analyzed data using SPSS, RStudio, and Excel Spreadsheets, displayed findings in simple graphs and charts.
- Created a high-contrast poster representing the findings using Adobe InDesign, readable from 6+ feet away.

SKILLS

- R & RStudio
 - Python
 - tensorflow
 - scikit-learn
 - opencv
 - skimage
- Machine Learning
 - Convolutional Neural Networks
 - Decision Trees
 - Support Vector Machines
 - Random Forest
 - K-Means Clustering
 - Principle Component Analysis
- Adobe Suite
 - Website Building
 - Microsoft Excel
 - Data Cleaning & Visualization
 - Markdown
 - LaTeX