

Katherine McCallum
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Education:

University of Wisconsin - Eau Claire (UWEC) Exp. Grad.: Spring 2025

Double Major Bachelor of Science:

- Computer Science
- Bioinformatics

Experience - Completed at UWEC:

-Scheduling Optimization using **Python**: September 2023-present

- Collaborate with faculty and partner to produce a schedule that accounts for the wants and needs of the mathematics department
- Problem-solve errors in code with constraints and outcomes
- Familiarize **Jupyter notebook** and **visual studio code**

-Deep Learning (AI) in Population Genetics: April 2022 - May 2023

- Communicated concepts between disciplines allowing them to work together
- Innovated ways to analyze data with nothing to compare it to using **Python**
- Familiarized with **Jupyter notebook, Google Collab, and GitHub**

Technology Skills and Efficiencies:

- **Python:** Jupyter notebook, Visual Studio Code, Anaconda, CoCalc
- **Java:** Eclipse, IntelliJ Idea, Visual Studio Code
- **C:** PuTTY
- **SQL:** MySQL Workbench
- **Microsoft 365:** excel, word, etc.
- **Google:** docs, sheets, etc.

Relevant Coursework:

- **Data Science:** computing in **python**
- **Computational Physics** - worked with **python**
- **Database Systems** - worked with **SQL**
- **Computer Systems** - worked with **C** and **C++**
- **Computer Science** - worked with **Java**

Experience - Jobs:

-Shift Manager at Dunkin' Baskin September 2021-August 2022

- Organize the workers on shift to optimize product delivery
- Diffuse customers who had a bad experience and explain how I can help
- Train new employees to follow procedures and keep a clean working environment