Aidan McEnaney

aidan.mcenaney@maine.edu | LinkedIn | GitHub

EDUCATION

UNIVERSITY OF MAINE
MA in Mathematics
Expected May 2025
Orono, ME

UNIVERSITY OF MAINE
BS in Mathematics
Minor in Computer Science
May 2023
Orono, ME

SKILLS

PROGRAMMING
Experienced:
• Python • Java • R • BASH
Familiar:
• C • MATLAB • C++ • SQL
• HTML/CSS/JavaScript • TCl

APIS
• SentinelHub • Sentinelsat

OPERATING SYSTEMS
• Windows • Ubuntu • OSX

OTHER
• Git • STAC • Django • LATEX
• Geospatial Data Analysis
• JIRA • Docker & kubernetes

COURSEWORK

COMPUTER SCIENCE
• Data Science
• Object Oriented Programming
• Data Structures
• Algorithms
• Programming in Python
• Advanced C Programming
• R programming

MATHEMATICS
• Differential Equations
• Linear Algebra
• Mathematical Modeling
• Asymptotic Analysis
• Stochastic Systems
• Monte Carlo Methods

EXPERIENCE

ZAL.AI | Student Consultant
Sept. 2023 – Present | Orono, ME
- Collaborated with cross-functional teams to develop and implement AI-powered solutions for real-world business challenges.

UNIVERSITY OF MAINE, MATH DEPT. | Teaching Assistant
Sept. 2023 - Present | Orono, ME

- Lead recitations biweekly, a structured time for students to work on problems as a group.
- Held weekly office hours in the math department's help center.
- Gave feedback and graded student's homework and group work.

FERDA FARMS/INNOVATE FOR MAINE | Math Modeling Intern
June 2023 - Present | Orono, ME

- Developed and implemented a mathematical model to predict the movement, location and density of oysters over time for use for oyster farms.
- Worked with several satellite APIs including but not limited to SetninelHub and Sentinelsat to receive and analyze ocean data.
- Assisted in Development of website using Django framework with Python.

BLACK BEAR CONSULTING CORPS | Student Consultant
January 2023 – June 2023 | Orono, ME

- Worked closely with a Maine based oyster farm to create software to aid in the inspection and reporting for oyster farms in Maine.
- Created a website and database for said company based on required specifications.
- Created marketing material and worked on the website for PowerWise, a company in the solar industry.

COMPUMAINE LAB | Research Assistant
July 2022 – June 2023 | Orono, ME
- Updated existing code, performing image analysis for broader community use.
- Attended several meetings on a weekly basis.
- Worked with other members of lab on current projects.

FRANCO AMERICAN CENTRE | Web Developer, Project Manager
Dec. 2021 – Sept. 2022 | Orono, ME
- Worked as the go to IT and tech person in the centre.
- Managed a wide variety of projects at the Centre, including but not limited to: Audio Archival, Cross-College Communication, Computer Management, and Social Media Management.
- Assisted in updating code for their old archive website.

FOSTER CENTER FOR INNOVATION | Software Engineer Intern
June 2022 – Aug. 2022 | Orono, ME
- Developed and researched various algorithms.
- Set up various docker containers to test scripts and algorithms.