

# Aidan McEnaney

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## 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 • TCI •

### OPERATING SYSTEMS

Windows • Ubuntu • OSX

### OTHER

SentinelHub • Sentinelsat • STAC •

Geospatial Data Analysis •

JIRA • Django •  $\LaTeX$  •

Docker & kubernetes

## COURSEWORK

### SOFTWARE

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

Stochastics

Monte Carlo Methods

## EXPERIENCE

### 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 SentinelHub 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 company 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 adjusted 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.

### UNIVERSITY OF MAINE MATH DEPT. | GRADER

Sept. 2021 – Jan. 2022, Sept. 2022 - Dec. 2022 | Orono, ME

- Graded 100+ assignments a week for two different semesters.

### UNIVERSITY OF MAINE RISE CENTER. | TEACHING ASSISTANT

Sept. 2020 – Dec. 2022 | Orono, ME

- Assisted in leading recitations and held office hours, as an undergraduate teaching assistant for Calc II.

### 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.