

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

COURSEWORK

SOFTWARE

Data Science

Object Oriented Programming

Data Structures

Algorithms

Django

Programming in Python

Advanced C Programming

R programming

MATHEMATICS

Differential Equations

Linear Algebra

Mathematical Modeling

Asymptotic Analysis

Stochastics

Monte Carlo Methods

SKILLS

PROGRAMMING

Experienced:

Python • Java • R • BASH •

Familiar:

C • MATLAB • C++ • SQL •

HTML/CSS/JavaScript • TCI •

OPERATING SYSTEMS

Windows • Linux • OSX

OTHER

Microsoft Office Suite • \LaTeX •

Docker & kubernetes • Creativity •

Public Speaking • Problem Solving

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.
- 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 virtual machines on linux to test scripts and algorithms.

HONORS/AWARDS

2022 Pi Mu Epsilon Honorary National Mathematics Society

2021/23 Highlands Mathematics Scholarship

2021/23 George & Helen Weston Scholarship for Excellence in Mathematics