

Orono, ME

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# Aidan McEnaney

## Employment

- 2023-present **Teaching Assistant**, *University of Maine*, Math Dept.
- Conducted biweekly recitations and weekly office hours, fostering collaborative problem-solving and offering academic support to students.
  - Provided comprehensive feedback and grading on student assignments, ensuring clarity and consistency in assessment practices.
- 2024-2024 **Student Consultant**, *Zal.ai*
- Led a team in documenting existing data sources and establishing data integration protocols for a comprehensive database solution.
  - Designed and implemented a data schema to effectively organize and integrate data from diverse sources, ensuring data consistency and reliability.
  - Spearheaded the development of a FastAPI-based API for seamless interaction with the integrated database, providing efficient data access and retrieval functionalities.
  - Coordinated with stakeholders to identify project requirements and prioritize tasks, ensuring alignment with organizational goals and objectives.
- 2023-2023 **Math Modeling Intern**, *Innovate For Maine*, Ferda Farms
- Performed independent research on current spectrometry and shellfish models in order to develop and implement 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.
- 2022-2023 **Undergraduate Research Assistant**, *CompuMAINE Lab*
- Worked on updating and improving upon the lab's image analysis code for use in cancer detection.
  - Engaged in research activities and attended presentations to support the work of fellow lab members.

## Skills

Skills Statistics, Data Science, Machine Learning  
Languages Python, Java, C, Bash, R, MATLAB, C++, SQL, Lisp

## Education

- 2025 **Master of Arts in Mathematics**, *University of Maine*  
2023 **Bachelor of Science in Mathematics**, *University of Maine*