

Orono, ME

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in [Aidan McEnaney](#)

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Aidan McEnaney

Employment

2024-present **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-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.

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*