

# Sam O’Nuallain

Needham, MA 02492

<https://www.linkedin.com/in/sam-o-nuallain-4972791b9/>

[samonuall@gmail.com](mailto:samonuall@gmail.com)

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## Education

**Expected Graduation: May 2025**

University of Massachusetts Amherst

Commonwealth Honors College, BUILD UMass, Peer Tutor

BS in Computer Science, Double Major in Economics - 3.9 GPA

Algorithms, Intro to AI, Machine Learning, Probability and Statistics, Calculus I-III, Linear Algebra

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**Skills:** Python, Java, C, C++, Linux, Numpy, Pandas, Docker, Agile teamwork, Git, Javascript

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## Work Experience

### Peer Tutor

*UMass Amherst Learning Resource Center*

**September 2023 - Present**

- Provide individual and small group tutoring to students in computer science and economics courses
- Facilitate sessions and communicate with empathy towards students looking for extra help

### Software Engineering Intern

*Lockheed Martin Space*

**June 2023 - August 2023**

- Worked on flight software for the first LM400 satellite bus to be put into space, faster development and less risk-averse than usual projects due to no external stakeholders
- Responsible for writing, testing, and integrating C++ and Python code on a large codebase in Agile-based sprints for the data subsystem of the satellite
- Designed and implemented the main interface used for communicating between the payload and ground using HTTP

### Project Lead

*BUILD UMass*

**October 2022 - Present**

- Lead a team of 7 in a pro-bono tech consulting group to build and launch a full stack website for a UMass research group
- Coordinate with client, run weekly standup meetings, and assign tasks for frontend and backend
- Designing and implementing website software primarily on the frontend, using React, Material UI, and Contentful, delivered MVP to client

### Software Engineering Intern

*Lockheed Martin Space*

**June 2022 - August 2022**

- Worked on flight software for a CubeSat with commercial stakeholders and a short development timeline
- Built a wrapper TCP messaging service in C++ that solved previous service’s problem of not being able to handle multiple callbacks, which became the new standard for inter-application messaging on my team