Sam O'Nuallain

Needham, MA 02492

https://github.com/samonuall   samonuall@gmail.com

Summary

Well-rounded, driven computer science and economics student with demonstrated leadership and experience interested in a software engineering internship focused on machine learning for Summer '24.

Education   **Expected Graduation: May 2025**

University of Massachusetts Amherst

Commonwealth Honors College, BUILD UMass, Data Science Club

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

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

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Relevant Courses

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

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Work Experience

Software Engineering Intern   **Lockheed Martin Space**   **June 2023 - August 2023**

- Working on the data team of a tech demo showcasing the capabilities of the LM 400 with a more accelerated and experimental development cycle than most projects
- Responsible for writing, testing, and integrating C++ and Python code on a large codebase in Agile-based sprints alongside a large team of software engineers

Tech Lead   **BUILD UMass**   **October 2022 - Present**

- Promoted to lead a team of 7 to build and launch a full stack website for a UMass research group
- Coordinate with client, run weekly standup meetings, and assign tasks for front and backend
- Work on website software primarily on the frontend, using React, Material UI, and Contentful

Software Engineering Intern   **Lockheed Martin Space**   **June 2022 - August 2022**

- Performed in a large team using Agile methodology, Docker containerization, and GitLab
- Responsible for writing embedded C++ software for both Linux and Real Time Operating Systems, performing unit testing, integration testing, and coordinating with other software teams
- Built a wrapper TCP messaging service 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

TA at BWSI   **MIT Lincoln Laboratories**   **June 2021 - August 2021**

- Led a fully remote summer engineering course for 24 high school juniors from across America alongside 2 other TA's and an engineer from MIT LL
- Coordinated with MIT LL engineers to create labs centered around using python and opencv to utilize the bluetooth and camera capabilities of a raspberry pi