

EDUCATION

Massachusetts Institute of Technology

Sep 2019 - May 2023

Majoring in Electrical Engineering and Computer Science (6-2)

Relevant Coursework: Introduction to Machine Learning, Operating Systems Engineering, Introduction to EECS via Interconnected Embedded Systems, Fundamentals of Programming, Computation Structures

EXPERIENCE

Embedded Systems Engineering Associate

Jun 2022 - Apr 2023

ForeLight

Continued work on the bioreactor control and monitoring scheme developed for resource-constrained embedded devices. Began implementing a central database with support for live monitoring. Designed and developed a bioreactor control and monitoring system to run on an embedded Linux device. Created with distributed systems goals in mind such as resiliency and flexibility

Electrical Engineering Intern

Oct 2021 - May 2022

ForeLight

Built several bioreactor LED control systems. Designed and built a manual control interface that was mounted into a NEMA 4 enclosure

Docker? Intern

Jun 2022 - Apr 2023

Novo Space

EXTRACURRICULAR ACTIVITIES

Gordon Engineering Leadership

Sep 2021 - May 2023

Developing leadership, teamwork, and communication skills in a selective leader development program for engineering undergraduates

Delta Kappa Epsilon

Jun 2021 - May 2022

President

SKILLS & INTERESTS

Programming Languages - Go, Python, C, Bash, TypeScript

Linux - Arch, Ubuntu, Debian, Fedora

Containerization - Dockerized an application for embedded device deployment

Microcontroller and SoC - Experience programming on Raspberry Pi, Beagle Bone Black, ESP-32