
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

- Developed a bioreactor control and monitoring system for resource-constrained embedded devices
- Began implementing a central database with support for live monitoring
- 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

- Worked to develop a telemetry visualization/storage system ready to be deployed on embedded systems
- Utilized tools such as Docker for consistent deployment across architectures

EXTRACURRICULAR ACTIVITIES

Gordon Engineering Leadership

Sep 2021 - May 2023

- Developing leadership, teamwork, and communication skills in a selective leader development program for engineering undergraduates
- Attended a project engineering course learning skills particularly relevant to project planning and management

Delta Kappa Epsilon

Jun 2021 - May 2022

President

- Regularly used communication skills to coordinate between administration, alumni, and community members
- Practiced strong leadership capabilities to navigate challenging situations

SKILLS & INTERESTS

- *Programming Languages:* Go, Python, C, TypeScript, and Bash
- *Linux:* Arch, Ubuntu, Debian, Fedora
- *Containerization:* Dockerized an application for embedded device deployment
- *Microcontroller/SoC:* Experience programming on Raspberry Pi, Beagle Bone Black, ESP-32