MAX MARSHALL

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OBJECTIVE

Hardworking fourth-year always looking for a co-op. Interested in any combination of Aerospace Engineering and/or Computer Science.

EDUCATION

Rensselaer Polytechnic Institute   Expected 2023

Bachelor of Science   Aerospace Engineering & Computer Science

Relevant Classwork   Data Structures, Aerodynamics, Aerostructures, Foundations of Computer Science

GPA: 2.88

SKILLS

Engineering Skills   NX, AutoCAD, Fusion360, Excel

Programming Skills   C++, Python, MATLAB, VSCode, LaTeX, Comfortable in a *nix Environment

EXPERIENCE

RPI Center for Earthquake Engineering Simulation Lab   September 2020 - January 2021

Undergraduate Research Assistant   *Troy, NY*

- Providing programming assistance in the development of an automated saturation system
- Implementing necessary improvements for the system
- Debugging existing code

RPI Critical CS   Spring 2020 - Summer 2020

Undergraduate Research Assistant   *Troy, NY*

- Helped create surveys and collect data from CS students
- Addressed the potential of a revised CS curriculum with a focus on teaching ethical programming
- Assisted CS1 students in their labs

RPI Union   Fall 2018 - Spring 2020

Student Employee   *Troy, NY*

- Performed general administrative duties

City of Woburn Engineering Dept   Fall 2016 - Fall 2019, Summer 2021

Paid Intern   *Woburn, MA*

- Worked on several projects utilizing a variety of engineering and surveying tools
- Drew plot plans and subdivisions in AutoCAD
- Mapped and performed inspections on handicapped ramps, manholes, and other city utilities

PROJECTS

Smart Fridge - Helped create a project for a class which could allow any fridge to be retrofitted into a smart fridge

Cluster Computer - Current personal project to create a cluster computer out of single board computers, and writing parallel code to be run on it

EXTRA-CURRICULAR ACTIVITIES

- Volunteering at the Forge - RPI Student-run Makerspace
- Hackathons