Matthew Youngbar

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LinkedIn   Github

Objective

I am seeking a computer hardware and/or software internship for the summer of 2020. I hope to add relevant experience to further my education in my field of study.

Education

Rensselaer Polytechnic Institute Troy, NY   Graduating May 2022

Bachelor of Science in Computer and Systems Engineering and Computer Science Dual Major, 3.39 GPA, Dean's Honor List, Rensselaer Medal Recipient, Rensselaer Leadership Award
Fall 2019 Courses: Electric Circuits, Foundations of Computer Science, Embedded Control
Past Courses: Data Structures, Computer Components and Operations, Differential Equations, Multivariable Calculus, Physics II

Ravenscroft School Raleigh, NC   2014-2018

Work Experience

Hardware Intern at Extreme Networks Summer 2019

- Created multiple GUIs to connect via Telnet and/or Serial to test equipment and network switches, send commands, and monitor current states.
- Wrote C code to configure, activate, and view information about ports on a network switch box.
- Assisted with and learned about the preliminary steps to adding a Secure Boot system to Extreme switches. Tested writing to a crypto authentication chip via I^2C from a Raspberry Pi.
- Troubleshooting, repair, and testing of various Extreme products

Skills

Coding (Python, Java, C, C++, HTML, CSS)
Circuitry/Computer Experience
Spanish (Intermediate)

Extracurriculars

RPI Swim and Dive   2018-Present
- NCAA Division III

Ravenscroft Key Club   2014-2018
- **Project Chair of Key Club** 2015-2016
- **Treasurer of Key Club** 2016-2017
- **President of Ravenscroft Key Club** 2017-2018

Year-Round Swimming   2007-Present
High School Swimming   2014-2018
- **All-Conference** 2015-2018
- **State Top 3** 2015-2018
- **Captain** 2017-2018

Percussionist   2009-Present
Science Club/Science Olympiad   2015-2018
- **Leader of Science Club** 2017-2018