

Matthew Youngbar

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LinkedIn



GitHub

Objective

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

Education

Rensselaer Polytechnic Institute Troy, NY

Anticipated Graduation December 2021

Bachelor of Science in Computer and Systems Engineering and Computer Science (Dual Major)

GPA: 3.53

Relevant Coursework: Intro to Algorithms, Intro to Engineering Design, Computer Architecture, Networks, and Operating Systems, Electric Circuits, Foundations of Computer Science, Embedded Control, Data Structures, Computer Components and Operations, Differential Equations, Multivariable Calculus, Physics II

Skills

Coding (Python, Java, C, C++, HTML, CSS, Visual Basic (VBA))

Circuitry/Computer Experience

Spanish (Intermediate)

CAD

Work Experience

Hardware Intern at Extreme Networks Morrisville, NC

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 I²C from a Raspberry Pi.
- Troubleshooting, repair, and testing of various Extreme products

Extracurriculars

RPI Swim and Dive

2018-Present

- NCAA Division III
- A Finalist in 500 and 1650 Free at Liberty League Championships

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

High School Swimming

2014-2018

- **All-Conference** 2015-2018

Percussionist

2009-Present

Science Club/Science Olympiad

2015-2018

- **Leader of Science Club** 2017-2018