

MATTHEW YOUNGBAR

Master's Student at RPI

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EXPERIENCE

Software Engineer Intern

Genesys

📅 June 2021 – August 2021

📍 Durham, North Carolina

- Worked with Core UI Team.
- Handled various stylistic and design changes.

Software Engineer Intern

Genesys

📅 May 2020 – August 2020

📍 Durham, North Carolina

- Worked with Edge Infrastructure Team.
- Assigned to various stability maintenance projects in RESTful services
- Assisted in translation of a service from Clojure to Kotlin

Hardware Intern

Extreme Networks

📅 June 2019 – August 2019

📍 Morrisville, North Carolina

- 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 & Dive

Rensselaer Polytechnic Institute

📅 2018-Present

📍 Troy, New York

- NCAA Division III
- A Finalist in 500 and 1650 Free at Liberty League Championships
- Co-President of RPI Student Athlete Advisory Committee

Ravenscroft Key Club

Ravenscroft School

📅 2014-2018

📍 Raleigh, North Carolina

- Created, managed, and led numerous community service and fundraising events for hundreds of students.
- Treasurer of Ravenscroft Key Club 2016-2017
- President of Ravenscroft Key Club 2017-2018

CAREER OBJECTIVE

"Seeking a computer software and/or hardware internship for the summer of 2022 to add relevant experience to further my education in my field of study."

EDUCATION

MS Computer and Systems Engineering

Rensselaer Polytechnic Institute

📅 2021 – 2022

📍 Troy, New York

Relevant Coursework:

Robotics Computer Vision for Visual Effects
Quantum Computer Programming
Computability and Logic

BS Computer and Systems Engineering and Computer Science

Rensselaer Polytechnic Institute

📅 2018 – 2022

📍 Troy, New York

GPA: 3.69

Relevant Coursework:

Algorithms Computer Architecture
Electric Circuits Embedded Control
Data Structures Intro to AI Game AI
Operating Systems Electronics
Modern Binary Exploitation

SKILLS

Hard-working Leader Motivated

Python Java C C++ HTML
CSS JavaScript TypeScript
Clojure Kotlin