

Education

Rensselaer Polytechnic Institute

B.S. in Computer and Systems Engineering– GPA 3.86

Deans's list, Alpha Phi Omega National Service and Leadership Fraternity

TROY, NY

May 2017

Middlesex County Academy for Science, Mathematics and Engineering Technologies

Electrical and Computer Engineering major

National High School Scholars Program, 30 college credits earned, National Honor Society

EDISON, NJ

June 2012

Work Experience

Verizon Cloud Computing

Hypervisor Team Intern

Worked with the hypervisor team to develop the compute backend for cloud hosting. Designed and developed a system to automatically export the memory dumps and log files off of crashed hypervisors to enable the developers and maintainers to be able to more efficiently and easily debug and recover from problems. Helped implement a system and tools for long term secure secret key management across releases.

LOWELL, MA

May '14 – Aug '14

Rensselaer Center For Open Source

Software Developer

Working on designing and implementing an automatic programming assignment grading server to efficiently accept, compile, and grade the output of over 300 student code submissions per week at RPI and to display feedback to the students through a web interface.

TROY, NY

Jan '14 – Present

Academic & Research Computing Help Desk

Student Consultant

Front line technical resource for students for assistance in solving IT and computer related issues.

TROY, NY

Aug '14 – Present

RPI Computer Science Department

Data Structures Undergraduate Teaching Assistant

Assist students to learn C++ and improve their skills in computer science

TROY, NY

Aug '14 – Present

Girl Scout Camp Sacajawea, GSCSNJ

Lifeguard and Summer Resident Camp Counselor

Taught swimming and canoe lessons to young girls, supervised campers at overnight outdoor summer camp

NEWFIELD, NJ

Aug '14 – Present

Projects

Alfred the Butler Bot

RPI Embedded Hardware Club

Soft drink dispensing self-driving robot based on an Android tablet touch screen ordering system and an Arduino microcontroller embedded control navigating and dispensing system.

Sep '13 – May '14

Artificial Eye - White Cane (aEye)

High School Senior Capstone Project

Designed and built an ultrasonic sensor based handheld cane for the Blind that provided tactile feedback to the user about their surroundings in order to be able to navigate their surrounding easier and with more freedom of movement.

Sep '12 – Jun '13

MathGame Project

Founder and CEO

Designed and coded an educational game by students for students to help learn and practice math skills individually and in an online competition. Presented at the Association of Mathematics Teachers of New Jersey Conference.

Oct '11 – Apr '13

Skills

Programming Languages: C++, Python, Bash **Experience with:** Assembly Language, Visual Basic, Java, HTML, CSS, LESS

Software: Mac OS, Linux, Eclipse, Siemens NX CAD, CadSoft EAGLE PCB Design, Microsoft Office Suite

Activities

Alpha Phi Omega Service and Leadership Fraternity *Historian (Fall 2014), Webmaster (2014-)*

Sep '13 - Present

Rensselaer Center For Open Source

Jan '14 - Present

Embedded Hardware Club

Sep '13 - Present

Society of Women Engineers

Sep '13 - Present

Girl Scouts of America

Sep 2000 - Present