Michael Scalzetti

Phone: (315) 439-2121 | Work Email: mscalzet@gmail.com | Github: VoxelVortex
School Email: mas9538@rit.edu

Objective *Available May 2022 - December 2022*

Seeking a cyber security co-op focusing on networking, physical security, application security, or programming.

Skills

Programming languages: Python, Java, C, Arduino, SQL
Operating Systems: Windows, Linux/Unix
Skills: Git, Docker, JSON, OOP, VMWare, Networking, Active Directory

Education

Rochester Institute of Technology, Rochester NY *Fall 2020-Fall 2024*
Bachelor of Science Degree, Computing Security
GPA: 3.33 *Spring 2021*
Dean's List *Fall 2020*
Rochester Institute of Technology Computing Award *2018-2019*
Rochester Institute of Technology Computing Award *2018-2019*
Home School Association Computer Science Award *2018-2019*

Employment

SUNY Upstate Medical University, Syracuse NY *Summer 2021*
IMT Intern
Worked with Upstate's IMT Networking group, managing their enterprise Cisco network which connects thousands of computers, medical devices, office appliances, and personal devices. Responsible for cleaning fiber cables, setting up UPS's, patching network jacks, and managing mobile temperature tags. Also responsible for helping engineers replace switches and access points.

Experience

Vulnerability Assessment Project *Winter 2020*
Worked with 3 fellow students, observing a theoretical company's network, and generating a full vulnerability report including vulnerabilities' CVE ID, the threat level, the likelihood a vulnerability would be exploited, and how to resolve the issue.

Hack Upstate 14 *Fall 2019*
Worked with 2 fellow students to make a program that emulated a drum pad using a combination of an Arduino, a laptop running python, and MIDI software. - Won the Best Hardware Hack award

Hack Upstate 13 Spring *2019*
Solo project involving trying to get control of a remote-controlled Parrot drone using an unprotected telnet port.

Coding Competition, Jamesville-DeWitt High School *Winter 2019*
Worked as a part of a team of 3 at a regional event for high schoolers. Teams competed to complete 2 projects in 2 hours.

Introduction to Computer Science, Fayetteville-Manlius Middle Schools *Winter 2019*
Part of a group of high school students chosen to present computer science topics and projects to eighth graders as part of a program to promote computer science classes at the high school.

Hack Mohawk Valley *Fall 2018*
Worked with 2 fellow students to create a web site and accompanying database that would store submitted data to later be displayed as part of a community project.

Hack Upstate 12 *Fall 2018*
Worked with 2 fellow students to make a chat bot that had the ability to query the TCGPlayer API and display product information. This product later developed into making an API wrapper in python for the TCGPlayer API. - Won the Best User Experience Award

Summer Volunteer, SUNY Upstate Medical University Processing Lab *Summer 2017*
Helped develop a Python program that would take data from time-resolved CT Dicom images of the pulmonary artery, during an injection of x-ray dye, and output physiological information – including the patient's cardiac output – and display the data graphically.

Personal Projects

Personal Server Management *Ongoing*

A way to experiment with technologies that would be otherwise not possible, such as Proxmox, Docker, SSH, and other various server management tools. This project also facilitates the practice and development of networking and security skills as it gradually scales in size over time.

A Star Maze Solver *Summer 2019*

A maze solver that used the A Star Algorithm to solve a maze that was loaded from an image file. The solution to the maze was then printed onto a copy of the image file and saved into the directory the original image was loaded from.

A Star Maze Solver Rewrite *Winter 2021*

A refactored version of the old A Star Maze Solver Project. It was written taken advantage of new tools and techniques I had learned at school and resulted in the solver being significantly faster, more space efficient, and easier to read.