Michael Scalzetti

Objective
Available January 2023 - August 2023
 Seeking a cyber security co-op which focuses on networking, development operations security.

Skills
Languages and Tools:
 Python, Java, C, SQL, Go
 Linux, BSD, Git, Docker, Kubernetes SSH, Nmap, Ncat, Proxmox, Bash scripting, VMware, Networking, Wireshark

Education
Rochester Institute of Technology, Rochester NY
 Bachelor of Science Degree, Computing Security
 Expected Spring 2024

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⌨ VoxelVortex

Employment
MetaCTF Inc., Digital Technology Intern *Summer 2022*
- Worked with a team to develop a CTF challenge platform based on the use of Kubernetes, Docker and AWS.

SUNY Upstate Medical University, IMT Intern *Summer 2021*
- Worked with Upstate's IMT Networking group, managing their enterprise Cisco network.

Activities
RITSEC, Member *Spring 2022-Current*
- Active in RCR, Contagion, RVAPT, Wireless, and OpsIG
- Member of Operations team
- Attend weekly meetings and active in clubroom.

ISTS 2022, Blue Team Member, ***Placed 2nd*** *Spring 2022*
- Competition Hosted by RITSEC for university students.
- Defended a network of machines against remote attacks carried out by professionals from the industry.
- Primarily responsible for managing networking and firewall equipment.

Hack Upstate 14, Competitor, ***Won the Best Hardware Hack Award*** *Fall 2019*
- Developed a program with peers that emulated a drum pad using a combination of an Arduino, Python, and MIDI software.

Hack Upstate 13, Competitor Spring *2019*
- Solo project focused on getting control of a drone through an unprotected telnet port.

Hack Upstate 12, Competitor, ***Won the Best User Experience Award*** *Fall 2018*
- Worked with a team to create a discord chat bot and API wrapper for TCGPlayer using Python.
- Queried, parsed, formatted, and displayed product information.

Projects
Personal Server Management *Fall 2020-Current*
- Designed a scalable server infrastructure based around Proxmox.
- Uses tools such as Docker, SSH, and Proxmox's firewall utilities to facilitate practice and development of networking and security skills.

Shadow Snitch *Spring 2022-Current*
- Developed a rootkit that replaces the passwd command.
- Reveals user passwords and allows root privileges to be hijacked.

A Star Maze Solver *Summer 2019-Winter 2021*
- A Java program that reads, solves, and draws the solution to mazes.
- Devised to incorporate new tools and techniques learned at school.
- The project was later refactored, resulting in the code being significantly faster, more space efficient, and easier to read.

Vulnerability Assessment Project *Winter 2020*
- Worked with a team, to assess the network security of a theoretical company
- Generated a full vulnerability report which included potential vulnerabilities, their CVE ID, their threat level, the likelihood it would be exploited, and steps the company could take to secure their network.