Michael Scalzetti

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Objective

Available January 2023 - August 2023

Seeking a cyber security co-op which focuses on networking, development operations security.

Education

Rochester Institute of Technology, Rochester NY

Bachelor of Science Degree, Computing Security

Expected Spring 2024

Tools

Linux, BSD, Git, Docker, Kubernetes SSH, Nmap, Ncat, Proxmox, Bash scripting, VMware, Networking, Wireshark

Languages

Python, Java, C, SQL, Go

Employment

MetaCTF Inc. | *Digital Technology Intern*   *Summer 2022*
- Worked with a team to develop a CTF challenge platform
- Made 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.