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

Skills

Languages: Python, Java, C, SQL, Go

Tools: Linux, BSD, Git, Docker, Kubernetes, SSH, Nmap, Ncat, Dig, Curl, Proxmox, Bash scripting, VMware, Networking, Firewalls, Wireshark

Employment

MetaCTF Inc. | *Digital Technology Intern*   *Summer 2022*
- Worked with a team to develop a CTF challenge platform to train security professionals.
- Made use of Kubernetes, Docker and AWS to update MetaCTF's infrastructure.

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 the clubroom, Red Team Recruiting, Contagion, Remote Vulnerability and Penetration Testing, Wireless, and Operations Interest Groups;
- Member of RITSEC Operations team, which manages RITSEC's servers and plans competitions.

ISTS 2022 | *Blue Team Member* **| Placed 2nd**   *Spring 2022*
- Red vs Blue team 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, pfSense, and Proxmox's firewall utilities to facilitate practice and development of networking and security skills.

Shadow Snitch/Password Pitch   *Spring 2022-Current*
- Developed a shim that replaces the passwd command to reveal usernames and passwords.
- Usernames and passwords are passed to a remote server which can redirect information to an attacker.

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.