Maxwell Fusco

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EDUCATION

Rochester Institute of Technology (RIT) Aug 2019 – May 2023
BS/MS in Computer Security | Minor in Mathematics
- Cumulative GPA: 4.0

WORK EXPERIENCE

Threat Hunting Intern – *Area 1 Security,* Remote | May 2021 – Present
- Determined security threat of detected items and created custom queries to find previously undetected items
- Authored security blog posts and training material for incoming threat hunters
- Invited for extended part-time work during school year

TCE Co-op – *Cisco,* Remote | July 2020 – February 2021
- Troubleshooting industry network issue within Cisco's Server Virtualization Team while working remotely
- Invited for extended co-op stay as mentor for incoming co-ops

Teaching Assistant – *GCCIS,* Rochester, NY | January 2021 – Present
- *Introduction to Cybersecurity* and *Introduction to Routing and Switching*

ITS Technician – *RIT Resnet,* Rochester, NY | February 2020 – Present
- Provide individualized technical assistance on campus to students and faculty

PROJECTS

Python Command and Control Server
- Leading mentorship group of new computing security students
- Integrating fundamentals of networking, encryption, persistence, and more
- Constructing client beacon and server-side command and control server

Car Hacking | CAM sniffing and spoofing
- Built custom hardware using Arduino components
- Programmed parser and injection software to work with hardware

Python Web Scraper
- Utilized Python modules such as requests, urllib, and bs4
- Built on fundamentals of HTTP requests and errors

COMMUNITY INVOLVEMENT

RITSEC Tech Lead
Executive Board member educating RITSEC members by building weekly demo CTF challenges and providing support on several topics

RITSEC Club Member
RIT Vulnerability and Penetration Testing Interest Group, Contagion CTF Competition Team, WiCyS, and Reversing Interest Group

ΣAM (Sigma Alpha Mu) Fraternity
Executive Board | Recorder (Spring and Fall 2021)

HackTheBox and TryHackMe Individual Learning
Learning penetration testing fundamentals though a variety of different challenges

Tools

apateDNS, burpsuite, cutter, cyberchef, dig, docker, enum4linux, ettercap, evil-winrm, hashcat, IDA, iptables, John the Ripper, Kali, lock picks, maltego, metasploit, mimikatz, netcat, nmap, nslookup, PEview, procmon, regshot, Resource Hacker, rubber duckies, shodan, spiderfoot, sql, strings, systemctl, tcpdrump, VirusTotal, wireshark

CERTIFICATIONS

CCNA 200-301
AUGUST 2020

AWARDS/DISTINCTIONS

RIT Honors Program

RIT Deans List *All Semesters*

RIT FSL | New Member of the Year 2019

Preston Robert Tishman Award

Paul Pumpian Award

Guller Young Scholar Award

COMPETITIONS/CONFERENCES

RITSEC IRSeC 2021 *Black Team*

RITSEC ISTS 2021 *Linux Lead*

RITSEC IRSeC 2021 *Linux Lead*
First Place

UB Lockdown 9 *Linux Lead*
First Place

Shmoocon 2020

LANGUAGES

Python
Bash
C/C++
x86 Assembly

SKILLS

Knowledge

Linux
Networking
Scripting
Cryptography

Technical

Offensive Security
Virtualization
Containerization
Reverse Engineering

Practical

Active and Fast Learner
Independently Motivated
Communication
Multitasking