

Maxwell Fusco

EDUCATION

Rochester Institute of Technology (RIT) Aug 2019 – Dec 2023
BS/MS in Computer Security | Minor in Mathematics

- Cumulative GPA: 4.0

WORK EXPERIENCE

Pentesting Intern – IBM X-Force Red, Austin, TX | May - Aug 2022

- Produced internship long security research on an open-source system-agnostic and modular enumeration framework written in Golang
- Developed offensive security skills in internal network, web application, mobile, container, kubernetes, cryptography, OSINT, social engineering, password cracking, and mainframe consulting

Threat Hunting Intern – Cloudflare, Remote | May 2021 - May 2022

- Diagnosed security threats of low confidence items and created custom queries to find previously undetected items
- Authored security blog posts and training material for incoming threat hunters

TCE Co-op – Cisco, Remote | July 2020 – February 2021

- Troubleshooting industry network issue within Cisco's Server Virtualization Team while working remotely

Teaching Assistant – GCCIS, Rochester, NY | January 2021 – Present

- *Introduction to Cybersecurity*, *Introduction to Routing and Switching*, and *Introduction to Cryptography*

PERSONAL PROJECTS

goEnum | System-Agnostic and Modular Enumeration Framework

- Utilized Golang to build modular detection of vulnerabilities and misconfigurations across Linux, Windows, Mac, and other system infrastructures
- Employed cross-compilation concepts to dynamically build modular code

RITSEC Discord Bot | Ops Bot II

- Utilized python to build and deploy customizable Discord bot
- Open-sourced, modularized, and documented code usage for open use

Ethereum Web3 Stack

- Deployed custom Ethereum network for maintaining transactions
- Built web front-end and API for interacting with Ethereum network

COMMUNITY INVOLVEMENT

RITSEC Vice President

Executive Board Member in charge of overseeing other members and groups of RITSEC. Maintain internal accountability, performance management, and transparent communication

RITSEC Operations | Automation Team

Building automation to maintain and deploy internal infrastructure. Management and maintenance of code-bases vital to RITSEC operations

RITSEC Club Member

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

Tools

ApateDNS, Burpsuite, CrackMapExec, Cutter, Cyberchef, Dig, Docker, Ettercap, Frida, Evil-Winrm, Hashcat, IDA, IPtables, John the Ripper, Kali, Lock Picks, Maltego, Metasploit, Mimikatz, MySQL, Netcat, Nmap, Nslookup, PEvent, Procmon, Regshot, Resource Hacker, Rubber Duckies, Shodan, Spiderfoot, Strings, Systemctl, Tcpdump, VirusTotal, Wireshark

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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 Scholars Award

COMPETITIONS/CONFERENCES

DEF CON 30

Shmoocon 2022

RITSEC IRSeC 2022 *Black Team*

RITSEC ISTS 2022 *Black Team*

RITSEC IRSeC 2021 *Black Team*

LANGUAGES

Golang
Python
Bash
C/C++

SKILLS

Knowledge

Automation
Networking
Scripting
Cryptography

Technical

DevOps
Tool Development
Offensive Security
Virtualization
Containerization
Reverse Engineering

Practical

Active and Fast Learner
Independently Motivated
Communication
Multitasking