

# 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

**RIT CPTC Team Member**

Representing RIT in the the international Collegiate Penetration Testing Competition. Performing professional and industry-level penetration testing in an emulated competition environment while maintaining

**RITSEC Operations | Automation Team**

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

## 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**

**HAM Radio Technician License**

## 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