

Maxwell Fusco

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WORK EXPERIENCE

Security Engineer Intern

Akamai

Remote

Sept 2022 - Current

- Implementing, maintaining and improving the accuracy of automation tools
- Analyzing & monitoring external attack surface, threats and develop mitigation
- Building proof of concept security control prototypes based on new threats

Penetration Testing Intern

IBM X-Force Red

Austin, TX

May 2022 - Aug 2022

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

Threat Hunting Intern

Cloudflare

Remote

May 2021 - May 2022

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

Technical Consulting Engineer Co-Op

Cisco

Remote

July 2020 - Feb 2021

- Troubleshoot industry network issues on Cisco's Server Virtualization Team

PERSONAL PROJECTS

goEnum

System-Agnostic and Modular Enumeration Framework

github.com/goEnum/goEnum

July 2022 - Current

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

Ops Bot II

Modular Discord Bot for Automation and Orchestration

gitlab.ritsec.cloud/operations-program/ops-bot-ii

Nov 2021 - Current

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

IRSeC Store

Ethereum Web3 Commerce Application

Dec 2021 - Mar 2022

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

LEADERSHIP & COMMUNITY INVOLVEMENT

RITSEC Executive Board

Vice President ('22-'23) & Tech Lead ('21-'22)

- Served two years as a leader of RIT's largest academic club and the largest student-run collegiate cybersecurity club in technical and managerial roles

RIT CPTC Member

Team Member ('22-'23)

- Represented RIT in the Collegiate Penetration Testing Competition
- Performed industry-level penetration testing in a competition environment

RITSEC Operations Team Member

Automation Team ('22-'23)

- Built automation to maintain & deploy infrastructure on a hybrid compute stack
- Managed and maintained vital code-bases to RITSEC Operations

DEFCON 30 Red Team Village Challenge Author

Pwn, Misc

NCAE Cyber Games Challenge Author

Pwn, Crypto, Web, Misc

EDUCATION

B.S. & M.S of Computing Security

Minor: Mathematics

Honors

Rochester Institute of Technology

Anticipated: Dec 2023

GPA: 4.0/4.0

SKILLS

Penetration Testing

Familiar in testing: WebApp, Internal and External Network, Container, and Mobile

Nmap Burp Suite Technical Writing

Wireshark CrackMapExec Shodan

Responder Evil-WinRM Metasploit

Red Teaming

Developed, maintained, and deployed custom tools in emulated environments

Mitre ATT&CK Framework C2

Tool Development Cyber Kill Chain

Covert Channels Adversary Emulation

DevOps

Deployed, maintained, and automated hybrid network infrastructure

Openstack Docker Kubernetes

EXSi Ansible Terraform Fleet

OSQuery CI/CD GitOps Kibana

Development

Developed and maintained efficient, well documented, and effective code

Golang Python Bash JavaScript

SQL C/C++ x86 Assembly HTML

CSS git Jira Secure Coding

Operating Systems

Effectively and efficiently navigate, utilize, control, and manage systems

Linux Windows MacOS PfSense

OpenSense FreeBSD Cisco IOS

CERTIFICATIONS

HAM Radio Technician License

CCNA 200-301