

Maxwell Fusco

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github.com/1nv8rZim

WORK EXPERIENCE

Security Researcher Intern

Datadog

New York City, NY
May 2023 - August 2023

- Developed internal threat hunting platform to detect and respond to threats
- Designed automated sandbox environment to analyze software dependencies
- Automated and systemized continuous threat hunting and detection at scale

Security Engineer Intern

Akamai (Linode)

Remote
Sept 2022 - May 2023

- Secured and modernized critical production services and infrastructure
- Managed HackerOne bug bounty program and triaged incoming reports
- Developed, maintained, and improved internal security automation tools

Penetration Testing Intern

IBM X-Force Red

Austin, TX
May 2022 - Aug 2022

- Developed operating system agnostic and modular enumeration framework
- Gained expertise in penetration testing and red teaming methodologies

Threat Hunting Intern

Cloudflare

Remote
May 2021 - May 2022

- Identified new threats and built new detections to remediate false-negatives
- Authored security blog posts and training material for incoming threat hunters

Technical Consulting Engineer Co-Op

Cisco

Remote
July 2020 - Feb 2021

- Resolved complex network issues on Cisco's Server Virtualization Team

PERSONAL PROJECTS

Ops Bot III

github.com/ritsec/ops-bot-iii

Modular Discord Bot for Automation and Orchestration
Feb 2023 - Current

- Developed a highly adaptable and multifunctional managerial bot using Golang
- Engineered a modular architecture for extensibility and customization

CompScore

github.com/compscore/compscore

Scalable, Pluggable, and Efficient Scoring Platform
May 2023 - Current

- Developed a highly scalable and efficient scoring platform using Golang
- Engineered a fullstack application for managing and visualizing scores

LEADERSHIP & COMMUNITY INVOLVEMENT

RITSEC Executive Board Vice President (2022 - 2023) & Tech Lead (2021 - 2022)

- Oversaw and coordinated operations of the largest academic club at RIT and the most prominent student-run cybersecurity club
- Utilized a distinctive blend of technical expertise and administrative prowess to streamline and automate operations and ensure effective project outcomes
- Managed the successful execution of regular and large-scale events

RIT CPTC Member

- Social Engineering & Web Lead (2022 - 2023)
- Represented RIT in the Collegiate Penetration Testing Competition
 - Performed industry-level penetration testing in a competition environment

RITSEC Operations Team Member

(2022 - 2023)

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

DEFCON 30 & 31 Red Team Village Challenge Author

(2022 - 2023)

NCAE Cyber Games Challenge Author

(2022 - 2023)

EDUCATION

B.S. & M.S of Computing Security

Minor: Mathematics

Honors

Rochester Institute of Technology

Anticipated: Dec 2023

GPA: 4.0/4.0

SKILLS

Development

Developed and maintained efficient, well documented, and effective code

Golang Python Bash JavaScript React
SQL NoSQL GraphQL gRPC C/C++
HTML CSS git Jira Secure Coding

DevOps

Deployed, maintained, and automated hybrid network infrastructure

Openstack Docker Kubernetes ESXi
Ansible Terraform Fleet OSQuery
CI/CD GitOps Kibana Datadog

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

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