

Anthony Marino

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Certifications

CompTIA Security+ (SY0-701)	July 2024
CompTIA Network+ (N10-009)	November 2024

Skills

Programming Languages	Python, Rust, Bash
Security Tools	Nmap, Wireshark, Metasploit, Wazuh, C2 Servers, Splunk
Web Development	HTML, CSS, JavaScript
System Administration	Solaris, Ubuntu, Windows Server, Shell Scripting
Networking	VLANs, VPNs, Firewalls, Switches, PfSense, Proxmox, Palo Alto NGFW, Arista
Database Management	MySQL
Cloud/Virtualization	Proxmox, Docker, AWS, VMware
IT Support Skills	Windows Administration, Network Protocols, Infrastructure Management

Experience

NYS ITS - Data Center Services (UNIX Team) Information Specialist II	Albany, NY Aug 2024 – Present
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- Designed and developed a secure application with a Rust back-end to collect, format, and serve system information, providing a user-friendly web interface for enhanced team visibility and streamlined decision-making
- Configured and managed role-based access controls (RBAC) to enforce least privilege principles, ensuring compliance with organizational security policies.

NYS ITS - Data Center Services (UNIX Team) Student Assistant	Albany, NY June 2023 - Aug 2024
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- Created scalable scripts for user password management, streamlining account creation, deprovisioning, and periodic password changes to enhance IAM efficiency and security compliance
- Scripted a system audit that analyzes where every server in our system was and information about the server for over 100 servers for Solaris architecture
- Investigated system logs after unusual system events often troubleshooting OS versions that are no longer supported by Oracle

SUNY Research Foundation Student Researcher	Albany, NY Aug 2023 – Jul 2024
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- Tested cyber-deception based tools base on ability fulfill MITRE Engage framework activities, strengthening basis for funding MITRE research grant and validating tools in threat environments
- Completed technical red team write ups detailing how tool succeeded or failed documenting red teaming steps heat mapping how activities were fulfilled
- Facilitated the Digital Forensics Cyber Operations Master Program class on Red vs Blue team working with RIT to build class

Education

BS	University at Albany , (CEHC) Emergency Management, Homeland Security, and Cybersecurity, Concentration: Cybersecurity	Dec 2024
	<ul style="list-style-type: none">• Coursework: Risk Analysis, Technical Writing, Research, Leadership, Cyber Policy, Emergency Management, Homeland Security	
Minor	University at Albany , Informatics	Dec 2024
	<ul style="list-style-type: none">• Coursework: Networking, Databases, Web development, Advanced Network Security, Object-Based Programming, Scripting	
AS	Hudson Valley C.C. , Cyber Security and Computer Science	May 2022
	<ul style="list-style-type: none">• Coursework: Networking, Scripting, Java, Digital Forensics, Security	

Projects

(CDO)Cyber Defense Organization

Blue Team Captin - Infrastructure Officer

- Hosted In school Competitions, setting up multiple enterprise networks with Firewalls, AD, Databases, Web Servers, and desktops for students to defend from cyber attacks
- Implemented Red Team tools to attack with during in-school competition including, malicious services ,reverse listeners, C2 servers and beacons to attack availability of services and network configurations
- Configured scoring engines to grade teams availability during the competitions and alert teams of incidents with services so can initiate incident response
- Hosted workshops to train blue team on incident response, threat hunting, service maintenance,identity and access management, networking, and vulnerability detection to compete at in-house and intercollegiate competitions such as CCDC and NCAE Cyber games

Cyber Competitions/Conferences

NCAE Cyber Games, Ubufallo Net-Defense, ISTS, US Airforce Cyber Challenge, CNY, Schmoocon2024

- Evaluated IT and network configurations against NIST and DISA guidelines during competition
- Led cybersecurity assessments and implemented RMF controls to secure enterprise network configurations for competitions
- Performed vulnerability analysis and authored cybersecurity incident reports to meet organizational compliance requirements
- Applied RMF principles in advanced network security coursework to evaluate and mitigate system risks

Home Lab

- Designed and implemented a secure home lab using a pfSense firewall for traffic control and network segmentation with access points for wireless connection
- Built a hypervisor cluster using Proxmox to host virtual machines for testing and research purposes
- Conducted vulnerability scanning and hardening exercises using tools like Wireshark, Nmap, and Metasploit