KEVIN MCCARTHY

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OBJECTIVE

Pursuing co-op opportunities in cybersecurity and networking fields for 2025, with the flexibility to adjust availability to meet organizational needs.

EDUCATION

Rochester Insititute of Technology
Expected December 2026
Bachelor's of Science in Cybersecurity, Minor in System Administration

Relevant Courses: Reverse Engineering, Programming for InfoSec, Network Services, System Administration, Routing & Switching

COMPETITIONS

• Information Security Talent Search 2025 (ISTS): King of the Hill (KoTH)
• Incident Response Security Competition (IRSeC) 2024: Logging
• CORA II: Purple Team *(2nd/18)*
• Incident Response Security Competition (IRSeC) 2023: Blue Team

SKILLS

Languages: Python, Java, C/C++, PowerShell, Bash, MySQL, x86 Assembly
Operating Systems: Unix/Linux, Windows, pfSense
Tools: VMware, VirtualBox, Wireshark, Firewalls, Active Directory, Git, Metasploit, Nmap, Data Dog, Autopsy, Ghidra

PROJECTS

Vulnerable Windows Test Environment   Dec. 2024 - Feb. 2025
- Designed and deployed an exploitable Windows Machine with multiple attack vectors, including remote code execution (RCE) and weak authentication.
- Intentionally misconfigured security settings to simulate real-world exploitation scenarios.
- Tested and validated exploitability using tools like Nmap, Metasploit, and various privilege escalation techniques.

Virtual Domain & Network Infrastructure   Oct. - Dec. 2024
- Configured a Windows Server with Active Directory, DHCP, DNS, and a pfSense gateway for client services.
- Managed users, OUs, and GPOs across Linux and Windows clients.
- Configured remote Git repositories on a Linux server for version control.
- Set up a secure vsftpd file transfer server with mounted storage.
- Implemented and evaluated rsync, FTP, Samba, and NFS protocols for remote access and file sharing capabilities.
- Deployed an Apache webserver with SSL/TLS encryption for secure user login.

Freddie L. Jackson Citizenship Award   Jan. 2022 – Present
fljcitizenshipaward.com
- Founder and active manager. Established website, eligibility criteria, and selection process to evaluate submissions for award recipients.
- Distributed $1,000+ to underrepresented students attending West Haven High School, CT.

ACTIVITIES

RITSEC (Cybersecurity Club)   Aug. 2023 – Present
ritsec.club
- **Digital Forensics (Mentee)** - Analyzed and extracted hidden data across multiple cases using Autopsy, focusing on steganography and data recovery techniques.
- **Learn to ATT&CK (Mentee)** - Applied the MITRE ATT&CK framework across multiple scenarios, demonstrating adversarial tactics through hands-on simulations of real-world cyber-attacks.

EMPLOYMENT

Home Improvement Assistant   Oct. 2021 - Present
- Seasonal employment applying skills in carpentry, drywall, painting, flooring, tiling, and landscaping to assist in renovation projects at customer owned rental properties.
- Volunteered 200+ hours assisting on home restoration projects across Connecticut and Kentucky.