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Jeremy Whitlock

Cybersecurity · Security Operations · Vulnerability Management

EDUCATION

University of Cincinnati — B.S. Cybersecurity — Expected May 2028

College of Education, Criminal Justice, and Human Services · Dean's List, 2024–2025

Relevant coursework: Information Security and Assurance, Computer Networking, System Administration, Database Management, Computer Programming, Web Development

EXPERIENCE

IT Support Specialist Co-op — DeBra-Kuempel, Cincinnati, OH — Jan 2026 – Present

- Remediate and patch CVEs across Windows endpoints, prioritizing vulnerabilities on CISA's **Known Exploited Vulnerabilities (KEV)** list
- Explored **Tanium vulnerability data in Power BI** to tie open CVEs to individual devices and users, which led to my vulnerability prioritization project
- Manage and troubleshoot Windows devices through Microsoft Intune; support endpoint security with Cortex XDR
- Administer user accounts, groups, and access in Active Directory
- Resolve hardware, software, and network connectivity issues through a ticketing system

Server — Brassica, Harper's Station, Cincinnati, OH — Jul 2025 – May 2026

PROJECTS

Vulnerability Prioritization Tool — Python, CISA KEV, EPSS, NVD, Power BI — Nov 2026 – Present

- Building a tool that ranks vulnerabilities by **real-world exploit risk** instead of CVSS alone, using CISA KEV, FIRST EPSS, and NVD data
- **Scores each CVE 0–100** from KEV status, exploit probability, severity, and device reach; outputs a ranked CSV for Power BI and a "patch these first" list
- Runs on generated sample data only, with CI through GitHub Actions

Cybersecurity Home Lab — Kali Linux, VirtualBox, VMware — Aug 2024 – Present

- Built a virtualized lab with Kali Linux and Windows VMs to practice network scanning, reconnaissance, and penetration testing
- Used Nmap, Wireshark, and Metasploit to identify and analyze vulnerabilities in lab systems

Linux & Windows Server Environment — Coursework — Aug 2023 – Apr 2024

- Deployed a dual-server environment with Windows Server and Ubuntu, configuring Active Directory, DHCP, DNS, and an Apache web server
- Implemented user account management, security policies, and automated backups across both systems

CERTIFICATIONS & ACTIVITIES

CompTIA Security+ (V8) — In progress

Cyber@UC — Member — 2025 – Present

- Work with peers on hands-on labs and events covering penetration testing, network defense, and security awareness

SKILLS

Security & IT: CVE remediation, patching, vulnerability management (CVE, KEV, EPSS), Active Directory, Microsoft Intune, Tanium, Cortex XDR, Power BI

Security tools: Nmap, Wireshark, Metasploit, Kali Linux

Systems & networking: Windows, Windows Server, Ubuntu Linux, DNS, DHCP, Cisco Packet Tracer, network troubleshooting

Languages: Python, Java, SQL, MATLAB, HTML/CSS · **Virtualization:** VMware, VirtualBox