

Hiller Hoover

Projects

- Website Development
 - Developed and maintained a personal website using Hugo
 - Built a CI/CD pipeline with Github and cloudflare to automate deployments.
- Personal Server
 - Utilized Open Source software to create a SSO MFA solution, hosting local services via docker and LXC containers allowing secure worldwide access with Cloudflare tunnels and a Reverse Proxy
 - Used a WAF to harden application hosts
 - Deployed Let's Encrypt wildcard certificates for HTTPS and managed DNS records
- VMWare Lab
 - Developed a virtual cluster for intercepting network traffic, conducting malware analysis, and implementing virtual networking solutions.
 - Performed vulnerability assessments on networked machines.
- Gaming Computer Assembly
 - Built and configured six custom gaming computers.
 - Researched and selected hardware components, interfacing with customers to align with their specifications and troubleshooting hardware issues.

Education

George Mason University, Fairfax, VA - *Master's of Science in Digital Forensics*

August 2024- Expected May 2026

George Mason University, Fairfax, VA - *Bachelor's of Applied Science in Cybersecurity*

January 2023- May 2025

Northern Virginia Community College, Sterling, VA- *Cybersecurity AAS*

August 2018 - August 2021

Technical Skills

Languages: Python, C++, Bash, HTML, CSS, JS, KQL, SQL, Norwegian

Virtualization: Virtualbox, VMWare, Proxmox, Docker, Hyper-V, Azure, WSL, Infrastructure as Code, Remnux

Software: Wireshark, NMap, Snort, Metasploit, HxD, Argus, Nessus, Wazuh, Jira, SysInternals, MS Intune, MS Purview, Splunk, Power BI, ProcMon

Networking: TCP/IP, UDP, Netflow, SSL, Router configuration, Cabling, Firewalls, OpenVPN, Wireguard, Zero Trust, Reverse Proxies, IAM, DNS

Certifications: Security+ ([Verification Link](#))

Forensics: Static analysis, dynamic analysis, CTI, OSINT, FTK Imager, iLEAPP, aLEAPP, Network Miner, Argus, Autopsy, NetWitness Investigator, Redline, Truxton CE, Cellebrite, Magnet ACQUIRE

Relevant Experience

US House of Representatives, Chief Administrative Officer - Cybersecurity Intern

- Research of potential exploits based on user or entity behaviors, endpoint threat detection, network behavior analytics, alerts/alarms, and managed security reports.
- Development of technical documentation, research and reports covering cybersecurity risk for on premise and cloud-based systems.
- Performing forensic analysis of AI artifacts on user endpoints

September 2025 - Present

Vicinity Energy - Cybersecurity Intern

- Developed and implemented a host-based firewall using CrowdStrike's Falcon SIEM and IDS/IPS.
- Successfully reduced the number of active vulnerabilities in CrowdStrike from over 8,000 to under 2,000.
- Identified and remediated vulnerabilities, reducing the risk score in Arctic Wolf from 8.2 to 6.9.
- Created custom PowerShell scripts for patch management across 700+ endpoints with NinjaOne.
- Configured multi-factor authentication (MFA) rules using Azure, affecting hundreds of users
- Used Purview and Intune to create device enrollment and Data Loss Prevention policies

May 2024 - May 2025

Extracurriculars

Appalachian Trail Hike:

- Completed a 2,200-mile hike along the Appalachian Trail over six months; managed gear, safety, and logistics.