Zachary Henard

423-293-2364 | www.Henard.tech | Zachary@Henard.tech | GitHub.com/zdhenard42

EDUCATION

Tennessee Technological University — Cookeville, TN
Bachelor of Science, Computer Science, concentration in Cybersecurity; 3.9 GPA — *Jan 2022 – May 2024*

Northeast State Community College — Blountville, TN
Associate of Science, Computer Science; 3.8 GPA — *Aug 2019 – May 2021*

EXPERIENCE

T&I Intern — Jan 2023 – Present
TVA — *Nashville, TN*

- Reduced verification time for server cluster connectivity by 80% through the development and implementation of PowerShell scripts and PuTTY.

SOC Analyst Intern — Sep 2022 – Jan 2023
Conquest Cyber — *Nashville, TN*

- Developed a browser extension using JavaScript, HTML, and Manifest V3 that streamlines security investigations, reducing the average investigation time by 10%.
- Improved SOC evidence collection by developing 13 advanced KQL queries.
- Investigated an average of 20 daily security events using XSoar, Microsoft Sentinel, 365 Defender, and other tools to detect and identify potential threats.
- Automated the conversion of analyst notes to formatted markdown tables, resulting in a cleaner and more organized view for the client.

Sysadmin Student Hire — May 2022 – Aug 2022
Intuitive Research & Technology — *Huntsville, AL*

- Automated over 30 tasks, encompassing Thin Client migration, Re-Imaging, and Thick-to-Thin conversions.
- Acted as point of contact for 500+ employees regarding VDI issues.
- Created scripts to resolve ∼20% of daily tickets

PROJECTS

SOC Multi-Tool | *JavaScript, HTML*
GitHub.com/zdhenard42/SOC-Multitool

- An open-source browser extension initially developed during an internship.
- Reached #22 on GitHub trending & featured in many security blogs and tool lists.
- Automates investigations of 22 entity types.

Thick2Thin Converter | *WinPE, Wyse, NAS, DISM, AD*

- Automated re-imaging and conversion of Thick Clients to Thin Clients
- Created a bootable flash drive that automates 20 tasks when selected in BIOS.
- Script will first perform all tasks needed to re-image the machine. Then performs the remaining tasks needed to convert the PC to a Thin Client

Thick Client Migrator | *Batch, PowerShell, CertUtil, VMware, VDI, NAS, AD*

- Automated user environment migration from Thick Clients to Thin Clients.
- Scripts placed on NAS then added to the user's login script, removing the need for human intervention.
- 12 tasks were automated, greatly reducing the workload on the IT department.

TECHNICAL SKILLS

Languages: Python, C/C++, KQL, JavaScript, Bash, Batch, and PowerShell.
Tools: Git, Linux, Azure(Sentinel, 365 Defender, Active Directory), and Soft skills.
Certifications: CompTIA Security+, SC-200 Microsoft Security Operations Analyst, and Secret Security Clearance.