

Seth Stemen

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CERTIFICATIONS & SKILLS

- **Certifications:** CompTIA Security+, CompTIA Network+, ISC2 Certified in Cybersecurity, Qualys Certified Specialist: Web Application Scanning, Foundational C# With Microsoft
- **Skills:** Python, C/C++/C#, Java, Matlab, x86 Assembly, Git/GitHub, Arduino/ESP8266/Raspberry Pi, Linux, Microsoft Office Suite, Windows, DHCP, Active Directory, Vulnerability Scanning, Vulnerability Remediation, Customer Service

WORK EXPERIENCE

Ohio State University Department of Athletics

Sep. 2023 – Present

IT Helpdesk Assistant

Columbus, OH

- Configured implementation of Qualys Web Application Scanning to identify vulnerabilities and create reports to facilitate timely remediation according to the university Information Security Control Requirements
- Wrote a library of PowerShell scripts to automate setup process for many possible deployment scenarios, wrote PowerShell scripts to automate cleaning of network shares in accordance with university data retention policies
- Troubleshoot computers and network configurations, remediate vulnerabilities and respond to CrowdStrike EDR alerts
 - Tools Used: CrowdStrike EDR, NinjaRMM, NetAlly, Active Directory, DHCP, JAMF, TeamViewer

Buckeye AutoDrive

Aug. 2024 – Present

Vehicle Integration Developer

Columbus, OH

- Presented at the SAE AutoDrive Challenge II Year 4 Concept Design Event about new technologies added to the vehicle, assisted in troubleshooting issues with the vehicle during the competition
- Performed cybersecurity research using packet capture and reverse engineering tools (Wireshark, JADX) against an Android Auto infotainment unit to identify potential attack vectors
- Developed a custom Human Machine Interface (HMI) to be used in an autonomous vehicle, facilitated communication over the CAN Bus
 - Tools Used: Python, Kotlin, Android Studio, Vehicle Spy

New Albany Country Club

Sep. 2020 – Aug. 2023

Lead Welcome Sites Attendant | May 2022 – Aug. 2023

New Albany, OH

- Created training manual, maintained employee schedules, and trained new employees
 - Managed rental locker database and monthly usage reports, oversaw Welcome Sites staff to ensure quality of work
- Welcome Sites Attendant | Sep. 2020 – May 2022*
- Assisted members in person and over the phone, charged retail purchases
 - **Employee Spotlight Award – April 2022**

PROJECTS

Homelab

[View Report](#)

June 2024 - Present

Simulated a production network using VirtualBox, with a Windows Server machine acting as a DHCP/DNS/AD DS server. Implemented Wazuh as a SIEM and performed a penetration test to look for indicators of compromise.

Virtual Penetration Testing Lab

[View Report](#)

March 2024

Created a virtual network in VirtualBox to facilitate penetration testing in a sandboxed environment. Used Kali Linux to attack vulnerable virtual machines and document findings about weaknesses found and exploited.

Remote Access Jump Box

January 2024

Configured a Raspberry Pi to act as a jump box to access my private home network over the public internet. Configured Tailscale to act as a VPN between my laptop and the jump box, used the jump box to access other devices on my home network while away from home. Also used the jump box for remote file transfer and SSH access.

EDUCATION

Ohio State University

December 2025

B.S. Computer Science and Engineering, Min. Information Security

Columbus, OH

- **GPA: 3.35**