Tyree Black

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Professional Summary

Motivated Aspiring Cybersecurity Analyst with CompTIA CySA+ and Security+ certifications looking to gain more experience in entry-level tech roles. Strong foundation in threat analysis, incident response, and vulnerability assessment. Hands-on experience with cryptographic research, security monitoring, and troubleshooting in enterprise environments.

Certifications & Skills

Certifications:

CompTIA CySA+ Candidate ID: COMP001022556475, Issue Feb 2025, Expires: Feb 2028

CompTIA Security + Candidate ID: COMP001022556475, Issued Jun 2024, Expires: Jun 2028

Cisco Course Issued Certifications: Data Science Certification, Cisco Networking Academy

Technical Skills:

- **Cybersecurity**: Malware Analysis, Incident Management, MITRE ATT&CK Framework, Risk Management, Vulnerability Scanning, Threat Analysis.

- **Networking**: TCP/IP, Active Directory, OSI & TCP/IP Models, WAN, LAN, DHCP, DNS.

- **Programming**: HTML, CSS, C++, Python

- **Soft Skills**: Problem-Solving, Team Collaboration, Communication, Attention to Detail.

- **Software & Tools:** Microsoft Office Suite, Zoom Seminar & Webinar, Remedy, Nmap, Wireshark.

Professional Experience:

SURI Research Intern | October 2024 – December 2024
Bowie State University | Onsite, MD

- Researched cryptographic techniques for securing IoT data.

- Evaluated encryption methods and simulated IoT security scenarios using Python.

IT Support Technician | July 2024 – November 2024 Robert Half | Onsite, MD

- Diagnosed and resolved software and network issues for exam candidates.

- Assisted users with exam software and system configurations.

- Provided technical support for Windows and macOS.

Help Desk Analyst (Level I) | March 2023 – April 2024 Census Bureau | Suitland, MD

- Managed and resolved service desk tickets using Remedy.
- Provided training on Active Directory and security protocols.
- Monitored system performance and documented security threats through Splunk & SolarWinds.

Education & Training:

Bowie State University | Bowie, MD Bachelor of Science in Computer Technology (Expected **May 2025**)
Cumulative GPA: 3.632

Relevant Coursework:
Server Administration I | Application of Data Structures | Case Studies in Comp Security

Projects:
Topic: Cryptographic Methods for Sensitive Data Protection in a Simulated IoT Network
SURI Research Intern | Associated with Bowie State University

- I collaborated on a research project as part of the SURI internship to enhance IoT data security.
- Developed encryption algorithms using Python to simulate secure data transmissions.
- Utilized tools such as Nmap and Wireshark to analyze network traffic and identify potential vulnerabilities in IoT environments.
- Presented findings and methodologies to a public audience.

Topic: Ransomware Analysis and Persistence Mechanisms Investigation (Hands-on Practice)

Project Overview:

- Gained hands-on experience investigating a ransomware sample (wannacry.exe) in a controlled virtual machine environment.
- Conducted static analysis of malware binaries, extracting strings and identifying system calls related to persistence.
- Analyzed system behavior after executing the ransomware, focusing on changes in processes, services, and registry keys.
- Discovered malware's use of the Winlogon registry key and potential persistence mechanism via a votalie folder in the registry.