

Ayselah Smith

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EDUCATION

University of Florida

Certificate in Cybersecurity

Computer Networking, Microsoft Security System Admin, Securing Your Network

Nov 2024

Gainesville, FL

University of Florida

Master of Mass Communications in Web Design & Online Communication

Front-End Web Development, Backend Web Development, User Experience Research

Aug 2024

Gainesville, FL

University of Florida

Bachelors of Art in Digital Arts & Sciences

Interactions & Usability, Mobile-App Development, Game Development

May 2022

Gainesville, FL

TECHNICAL SKILLS

Programming: Java - Python - C++ - JavaScript - TypeScript - Bash - PowerShell - HTML/CSS

Security Tools: WireShark - Cyber Triage - Cowrie SSH/Telnet Honeypot - Nmap - Hydra

Frameworks & Tools: React - Node.js - Android Studio - VirtualBox - Bootstrap

Developer Tools: Git - Docker - Google Cloud Platform - VS Code - AWS Cloud

EXPERIENCE

Android App Developer Intern | Buzz Voice

May 2021 - Aug 2021

Mobile App for Advertising Company

Java | Adobe | Google Cloud | Firebase | Android Studio

- Designed and built a Java-coded front-end mobile app that utilized a public accessible VDNS (Voice Domain Name System) service which allows users to resolve "buzz" names using voice recognition on their mobile devices
- Utilized Android Studio to secure RESTful services, ensuring safe handling and parsing of JSON responses.
- Designed and created a secure prototype of the VDNS application, including User Interface elements, ensuring data protection using Adobe XD and Adobe Illustrator.

PROJECTS

Endpoint Forensics & Threat Triage | Leveraged Cyber Triage Lite to perform rapid endpoint analysis

May 2025

- Examined "Bad Items" and "Suspicious Items" tabs to identify malicious files and false positives, audited user accounts for unauthorized privileges, and mapped suspicious scheduled tasks and open network ports.
- Produced a detailed incident report summarizing flagged artifacts, root-cause findings, and remediation recommendations—reducing time-to-resolution in a simulated IR scenario.

SSH Honeypot Deployment & Analysis | Deployed a Cowrie-based SSH/Telnet honeypot on Ubuntu

Jan 2025

- Created an isolated Python venv, secured a dedicated "cowrie" user account, and enabled dual SSH/Telnet deception to broaden the attack surface.
- Simulated brute-force attacks with Hydra and reconnaissance with Nmap, then parsed Cowrie logs to extract real-world threat intelligence for intrusion detection rule tuning.

Network Analysis | Configured Wireshark to filter and analyze network traffic

April 2024

- Filtered and analyzed HTTP, DNS, and ICMP (Ping) packets, gaining insights into network traffic and protocol usage.
- Identified encapsulation protocols at the fourth layer and used specific filters to isolate traffic sent to and from designated hosts, demonstrating proficiency in network monitoring and troubleshooting.

AWARDS & CERTIFICATIONS

CompTia Security+ Cert (2025) | TDX Incident Response Expert Cert (2024) | *Tech Together Miami Hackathon* (2022) | *Dean's List Fall* (2021) | *Dean's List Spring* (2020-2022) | *Dean's List Summer* (2020) | NCWIT Aspirations in Computing Award (2018) | Adobe Dreamweaver CC Certified (2018)