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## Education

### UNIVERSITY OF MISSOURI – ST. LOUIS

BS in Cybersecurity, Computer Science Emphasis  
Dean's List, GPA 3.8/4.0

Expected Graduation 2025

## Technical Skills

**Programming:** Python, Java, C++, SQL, HTML, CSS, JS

**Tools:** AWS Amplify, DigitalOcean Droplets, Linux, Wireshark, Flask, React, GitHub, Git, Microsoft Office

**Skills:** Website Building, Machine Learning, ISO/IEC 27000 Series

**Certifications:** Certified in Cybersecurity Certification (CC) – ISC2

## Projects

### Blog, Portfolio Website Deployed on AWS

Feb 2024

- Designed and implemented a responsive portfolio website using HTML, CSS, and JavaScript to showcase projects.
- Deployed and maintained the website on Amazon Web Services (AWS), hands-on experience with cloud-hosting.
- Implemented best practices for web security, including secure content delivery and HTTPS.

### Notepad, Full-Stack Online CRUD Notepad with Google Authentication

Feb 2024

- Developed a full-stack web app using **Flask (Python)** for backend, **SQLAlchemy** with **PostgreSQL** for database.
- Created a **RESTful API** for **CRUD** (Create, Read, Update, Delete) operations on user notes.
- Implemented secure authentication using **Google Sign-In OAuth 2.0**, and security features **CSP** and **CSRF**.
- Hosted user data on DigitalOcean droplets separate from application code to prevent cyberattack.

### IP Sniffer, IP Information Lookup

Dec 2023

- Created a desktop application using **Python** and **Tkinter** for IP address information retrieval and analysis.
- Integrated third-party APIs including **Shodan** and **VirusTotal** for comprehensive IP intelligence gathering.
- Enabled real-time threat detection and risk assessment.

### Network Mapper, Network Scanning and Analysis Tool

Dec 2023

- Coded a comprehensive network scanning tool using **Python**, integrating **Nmap** library network analysis.
- Implemented easy-to-use UI, supporting both IP ranges and domain names for network mapping.
- Engineered port numbers and services to identify potential vulnerabilities in network infrastructure.

### Password Tester, Password Security Tool

Nov 2023

- Implemented **SHA1**-hashing for secure password, checking for leaked password using "Have I Been Pwned" API.
- Focused on educating users about password security best practices and the importance of strong passwords.

## Relevant Experience

### University of Missouri – St. Louis

#### Information Technology Services

Instructional Support Services Consultant

2024-Present

- Provide comprehensive support to all open classrooms and computing labs on campus.

#### Technology Support Center

Technical Support Helpdesk

2021-2024

- Provide excellent customer service, helping issues with hardware and software, both over the phone and in-person.
- Installed hardware and data protection safeguards to secure sensitive university data, as well as providing network support.

#### Technology Procurement

Office Support Assistant

2022-2023

- Worked directly with the CIO and Director of the IT department to complete technology equipment orders as needed.