

Ebenezer Ajsafe

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EDUCATION

Towson University

Towson, MD

Bachelor of Science, Computer Science – Cyber Operations | Accreditation Board for Engineering and Technology certified.
May 2027

Relevant Coursework: Data Communications and Networking, Operating Systems, Software Engineering, Data structures and algorithm analysis, Principles of Computer Organization, Database Management, Systems Programming, Network Security, and Operating Systems Security

TECHNICAL SKILLS

Data & Analysis: Data Analysis, Machine Learning, RStudio, Microsoft Excel

Programming & Development: Java, Python, SQL, JDBC, React.tsx, TypeScript, HTML, Linux, SSH, Kali, Metasploit, John

Systems & Networking: Operating Systems (Windows/Linux), Networking, Sockets, Wireshark, nmap

Dashboards & Monitoring: Splunk (Dashboards, System Metrics)

Cloud & Productivity Tools: Microsoft 365, Office Applications, AWS Cloud

Certification: Google Cybersecurity Professional (June 2024), CompTIA Security+ (Jan 2025), AWS Cloud Practitioner (Oct 2024), Microsoft Azure Fundamentals (AZ-900, Jul 2025)

WORK EXPERIENCE

Walter Reed Army Institute of Research, NPM-Student Research Manager, Silver Spring, MD

April 2024-August 2025

- Designed and taught a programming curriculum for 30+ students, achieving a 90% completion rate and strong knowledge retention.
- Presented machine learning research findings at a military conference with 200+ attendees, leveraging advanced data visualization techniques.
- Supervised and evaluated peer research projects, providing feedback that improved project acceptance rates by 40%.

AI Automation Externship, PwC - Remote

May 2025 – Aug 2025

- Researched and developed a Fundraising Landscape Summary, identifying 5+ key philanthropy trends influencing nonprofit growth.
- Analyzed donor engagement strategies across 10+ peer organizations, extracting actionable takeaways to strengthen DVP Urban Justice fundraising.
- Recommended communication tactics that could improve donor response rates by an estimated 20%.

Undergraduate Learning Assistant, Towson University - On-Site

Aug 2024 – Dec 2024

- Mentored 25 students in advanced microbiology data analysis using RStudio and Python, improving overall project accuracy by 30%.
- Led weekly RStudio training sessions for genetics research groups, resulting in a 25% improvement in project outcomes.
- Established standardized data management protocols later adopted by 100% of research teams in the program.

PROJECT

Breaking into Windows/Linux machines

July 2024

- Broke into a windows system using Metasploit from a kali virtual machine, alongside using john to decipher hashes
- Broke into a Ubuntu user using the Ubuntu terminal and abusing discretionary access control
- Used nmap to scan for vulnerable devices, after found successfully used Hydra to break into machine

Splunk User Dashboard

July 2024

- Developed a Splunk dashboard to visualize CPU, memory, and network improving system monitoring efficiency by 35%.
- Optimized queries and field extractions, reducing log analysis time by 25%.
- Delivered a user-friendly interface that increased accessibility for non-technical users by 40%, based on peer testing feedback.

Python Keylogger (For Educational Purposes)

July 2024

- Engineered a Python keylogger that logged keystrokes, clipboard, audio, and screen data with 98% capture accuracy.
- Automated data delivery by email reporting, reducing manual log collection effort by 80%.
- Implemented multi-threading to handle logging tasks simultaneously, increasing efficiency by 30%