

# Jeremy Appiah

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## EDUCATION

West Virginia University | Statler College of Engineering

Morgantown, WV

B.S. in Cybersecurity

B.S.C.S. in Computer Science

Minor in General Business

Graduation Date: May 2026

- **Organizations/Awards:** CyberWVU, Dean's List for Spring and Fall 2022 & Spring of 2025
- **Relevant Coursework:** Intro to Software Engineering | Computer System Concepts | Foundations of Cybersecurity | File and Data Structures | Fundamentals of Group Communication | Technical Writing | Secure Software Development | Advanced Software Engineering

## PROFESSIONAL EXPERIENCE

Software Developer Intern (STEM)

June 2024–August 2024

Akima

Herndon, VA

- Designed and implemented a web-based Air Force 911 dispatch software utilizing AWS, Java (backend), React.js (UI), Leaflet (visualization), and Tableau (updates), achieving a functional MVP in just 10 weeks.
- Orchestrated a cross-functional team of 7 as Scrum Master, overseeing SRR reviews and ensuring punctual completion of project milestones.
- Collaborated closely with 3 specialized teams in software development, finance, and civil engineering, harnessing their expertise to enhance project outcomes.
- Created an immersive VR construction simulation application for Meta Quest 3 using Unity3D and C#, supporting up to 20 concurrent users with personalized avatars for interactive virtual structure building in real-time 3D.

## CERTIFICATIONS

AIG Shields Up: Cybersecurity Virtual Experience Program on Forge

January 2025

- Completed a cybersecurity threat analysis simulation for the Cyber Defense Unit, staying updated on CISA publications.
- Researched and understood reported vulnerabilities, showcasing analytical skills in cybersecurity.
- Drafted a clear and concise email to guide teams on vulnerability remediation.
- Utilized Python skills to write a script for ethical hacking, avoiding ransom payments by brute-forcing decryption keys.

PwC US Cybersecurity Consulting Job Simulation on Forge

January 2025

- Completed a job simulation focused on a cybersecurity risk assessment for PwC
- Determined if controls were missing from a process and identified risks associated with those gaps
- Completed a Test of Design and Operating Effectiveness documentation
- Created a one-slide summary to present findings

Deloitte Australia Cyber Job Simulation on Forge

January 2025

- Completed a job simulation involving reading web activity logs
- Supported a client in a cybersecurity breach
- Answered questions to identify suspicious user activity

Telstra Cybersecurity Simulation on Forge

January 2025

- Completed an analysis of a malware attack and learned how to respond to said attacks
- Learned how to mitigate malware attacks and completed an incident postmortem

## COURSEWORK PROJECTS

Recipe Finder Web Application

January 2024–May 2024

- Created a web application that holds recipes and finds recipes based on ingredients set by the user
- Implemented login and posting authentication along with API integration using RapidAPI platform
- AWS services used for backend & GraphQL components used to hold user information

Design of a Simple CPU

August 2023–December 2023

- Designed an 8-bit CPU equipped with 32 bytes of RAM and 3 different op codes
- Implemented on the Intel DE-10 Lite FPGA device and programmed in VHDL

## WORK/VOLUNTEER EXPERIENCE

Center for Learning, Advising and Student Success (CLASS) Employee

July 2023–Present

Federal Work-Study

Morgantown, WV

- Aid students in checking into appointments and relaying relevant resources to cater to their needs
- Organized and updated Excel spreadsheets to provide advisors with accurate and up-to-date student credentials, directly supporting their advising processes
- Answer phone calls pertaining to appointment scheduling, drop-in meetings, and general information

Team Member

May 2020–Present

Chick-fil-A

Martinsburg, WV

- Navigate and efficiently operate a POS-based system to process transactions and manage customer orders seamlessly
- Serve as a dual-trained team member, excelling on the frontline to assist customers and in the kitchen to prepare food with precision
- Authorized to train 14 team members and provide trainees with successful work habits and positive reinforcement

Hope Café Volunteer

January 2022–March 2022

Salvation Army

Morgantown, WV

- Assisted with activity stations, food preparation, and music lessons for 17 total children
- Ensured each child completed homework assignments and guided children through trouble spots
- Supported Hope Café for a total of 10.5 hours and reached an impact value of \$280.04.

## SKILLS

Programming Languages: C, Java, SQL, VHDL

Scripting Languages: JavaScript, HTML, CSS

**Developer Tools:** XCode, Eclipse IDE, MySQL Workbench, Quartus Prime, Microsoft Office Suite, Google Suite, Github, Navigate, Ellucian-Banner, Visual Studio, UTM, RedHat, Unreal Engine, RapidAPI, AWS, Jira, Confluence  
**Frameworks:** React, Node.js, JUnit, Bootstrap  
**Spoken Languages:** English and Twi

