

Peace Enweriku

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EDUCATION

Towson University

Baltimore, MD

Bachelor of Science in Computer Science

ECD May 2027

Focus: Software Engineering, Network Security, Cloud Computing, and Data Systems

Certifications: CompTIA Security+ Certificate, AWS Certified Cloud Practitioner – In Progress (ECD Mar 2026)

Societies & Extra-Curriculars: NSBE (National Society of Black Engineers) & TU Software Engineering Club

TECHNICAL SKILLS

Programming & Development: Python, Java, React, C++, JavaScript, HTML, CSS, Data Structures & Algorithms

Software Engineering & Systems: Object-Oriented Programming (OOP), Design Patterns, Requirements Analysis, Software

Development Lifecycle (SDLC), Debugging & Testing, Data Structures & Algorithms, Software Documentation

Operating Systems & Platforms: Linux/Unix, Windows, Networking (TCP/IP, VPNs), Wireshark, Hybrid Cloud Environments, Git, GitHub, CI/CD Pipelines

APIs & Databases: RESTful APIs, API Gateway, Relational Databases, Data Modeling

Methodologies: Agile Development (SAFE familiarity), Collaborative Team Development

WORK EXPERIENCE

Realtechie LLC

Baltimore, MD

Software Engineering Intern

Aug 2024 – Present

- Developed, tested, and maintained software components using Python and Java in Linux and Windows environments.
- Wrote automation scripts to validate system behavior and verify expected outputs across deployments.
- Debugged software issues across development and staging environments, identifying root causes, and documenting fixes.
- Collaborated with senior engineers to integrate software modules and validate functionality prior to release.
- Applied secure coding and access control principles, reinforcing reliability and system integrity.
- Produced technical documentation to support system configurations, testing results, and operational procedures.
- Collaborated with engineers in Agile teams, participating in code reviews, testing, and documentation.

Sunrun Inc

Baltimore, MD

Software Engineering Intern

Jan 2023 – March 2025

- Designed and implemented backend software tools supporting internal business systems using Java and Python.
- Developed test scripts and regression checks to improve software reliability and reduce post-release defects.
- Investigated software defects across staging and production environments and documented findings using Jira.
- Worked cross-functionally with QA and UX teams to improve usability, system stability, and workflow efficiency.
- Assisted in maintaining CI pipelines to ensure consistent builds and repeatable testing.

PROJECTS

Embedded System Simulation & Test Framework (Python, C++, Linux)

Personal Project

- Designed a software-based simulation of an embedded subsystem to process telemetry-like data streams.
- Implemented modular C++ components to model sensor input, data handling, and system responses.
- Developed Python scripts to automate test execution, collect outputs, and generate test reports.
- Validated expected behavior against predefined requirements, reinforcing systems integration and testing concepts.

Cloud-Based Automation Pipeline (AWS, CI/CD)

Academic Project

- Built an automated CI/CD pipeline using GitHub Actions to test and deploy applications.
- Integrated AWS services (EC2, S3, IAM) to support application hosting and access control.
- Emphasized reliability, repeatability, and documentation in deployment workflows.

Web Application Development Project (JavaScript, HTML, CSS)

Personal Project

- Designed a desktop application with Java for managing school personnel roles, evaluations, and teaching outcomes.
- Built backend logic using Java and implemented CSV-based data persistence for local deployments.
- Integrated performance dashboards and chart-based summaries to help administrators track academic progress.
- Conducted user testing with instructors to refine workflows, improve UX, and ensure intuitive feature adoption.
- Created reporting dashboards and analytical tools to support decision-making, demonstrating ability to solve organizational IT challenges.