**Aresema Workneh**

202-983-3848 workneharesema@gmail.com Rockville, MD Github: <https://aresemaw.github.io/>

**Education**

* Bachelor’s degree in computer science -Towson University
* Master degree in computer Science – Morgan State (expected 2025 )

**Profile Summary:**

* 4+ years of software development experience.
* 4+ years of experience in Java, Python, C++
* Proficient in Java, Python, C++, React.js, MongoDB, MySQL, SQLAlchemy, R, Restful API, and Java Swing

**Programming Language Skills and Development Environments:**

**Programming Languages:** Java, Python, C++, JavaScript, React, R

Frameworks: Node.js, React.js

**Databases:** MySQL, MongoDB, SQLAlchemy

**Web Technologies:** HTML, CSS, SCSS, Bootstrap, Web API, XML, JSON, WebSocket

**Version Control:** Git

**Development Environments:** Visual Studio Code, IntelliJ, NetBeans, Sublime

**Operating Systems:** macOS, Linux, Windows, Unix

**Data Science and Machine Learning:** NumPy, Pandas, PyTorch, OpenCV

**SDLC:** Waterfall, Agile (Scrum, Kanban, Lean)

**Professional Experience:**

**Technical Analyst**

***SCB Consulting***

*Jan 2022 – May 2023*

* Developed efficient and scalable code using Java, JavaScript, and Python.
* Conducted thorough testing of software modules to identify and resolve defects.
* Implemented and executed test plans and test cases to ensure software quality.
* Utilized automated testing tools such as Selenium and JUnit for regression testing.
* Documented test results, identified issues, and reported them to the development team.

***Environment*:** Visual Studio code 2017/2019, Angular, HTML, CSS, SCSS, XML, JavaScript, Postman, JSON, Microservices, GitLab, Restful API, Rally

**Technical Analyst**

***United Construction & Restoration***

*May 2019 – September 2021*

* Integrated back-end functionalities using Java and database technologies.
* Conducted unit testing and assisted in debugging and resolving software issues.
* Participated in code reviews to ensure code quality and adherence to coding standards.
* Assisted in the deployment of software applications to production environments.

***Environment*:** Intellji, GitLab, HTML, CSS, MongoDB, JSON, Web API, PowerShell, Linux, Windows, Unix

**Personal Projects:**

**API Testing Automation**

* Developed automated test scripts using Python and requests library to test RESTful APIs.
* Validated API responses and performed data-driven testing for various scenarios.

**Nine Men's Morris AI Board Game**

* Implemented gameplay logic and decision-making using Java.
* Conducted extensive testing and debugging to ensure optimal game performance.

**Java/Swift Sorority Application**

* Developed a Java/Swift application to facilitate communication and organization within a sorority.
* Integrated user authentication, event scheduling, and task management features.

**Agent-based Model in Python**

* Created a Python simulation model to analyze economic behavior of multiple agents.
* Developed functions to simulate agent behavior and analyze simulation results.