Ayomide David Awonaya

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EDUCATION

Carleton University, Ottawa.   **SEP 2019 – August 2024**

Bachelor of Computer Science Honors

- Recipient of Carleton's $4000 Entrance Scholarship for incoming undergraduates with GPAs of over 80%
- **Relevant courses**: Data Structures & Algorithm, web development, Project Management, Object-Oriented Software Engineering, Database Management Systems, Trends in Big Data Management, Transaction Processing Systems

Carleton University Coding Boot Camp   **Feb 2021- August 2021**

- Certificate of Completion in Full Stack Web Development, **Distinction**

Technical Skills

- **Languages:** Java, JavaScript, Python, C, C++, HTML/CSS
- **Frameworks:** Express, Node.JS, React, JUnit, Selenium, Mongoose, Next.js, Tailwind CSS
- **Databases**: Cassandra, MongoDB, MySQL, Prisma, SQLite
- **Tools/Environment:** Git, AWS, GitLab, Linux, Mocha, Prometheus, Vercel, Convex, Supabase, Firebase

EXPERIENCE

Carleton Computer Science Society – Software Engineer   **September 2023 – April 2024**

- Developed and debugged software applications using **Java, Python**, Supporting Students and faculty needs and ensuring seamless operation and high performance
- Provided technical support for software installations, troubleshooting issues and optimizing user experience
- Proactively identified potential software vulnerabilities and implemented solutions to mitigate tasks
- Assisted in the integration of new technologies into the existing system to improve system performance

Shell Plc – Web Developer.   **June 2019 – August 2019**

- Ensured high application reliability and functionality through 80% test coverage using **Jest**
- Implemented robust data security measures using cutting edge encryption and secure database practices, establishing a benchmark for industry data protection
- Developed and refined machine learning models for predictive maintenance, leveraging **Python,** which minimized downtime and maximized efficiency across petroleum engineering systems

APPLIED PROJECTS

AED Simulation Application - https://github.com/AyomideAwonaya21/3004-Project-

- **Tools:** C++
- **Description:** A software simulation application that mimics the core functionality of an AED Plus device, allowing users to perform actions such as analyzing heart rhythms, providing electric shocks and offering guidance during an emergency

Pet Finder Application - https://ayomideawonaya21.github.io/The-Ultimate-Personality-PetFinder/

- **Tools**: GeoAPIfy, Petfinder API, Foundation (Bootstrap alternative), jQuery
- **Description:** Created an interactive and responsive pet finder application that allows users to take a personality quiz, enter their locations to find pets up for adoption near them

Password Generator - https://ayomideawonaya21.github.io/password-generator/

- **Tools:** HTML, JavaScript
- **Description:** An application that solves the problem of creating different passwords for different scenarios

Weather Dashboard Application - https://ayomideawonaya21.github.io/weather-dashboard/

Tools: Open Weather API, CSS, HTML, JavaScript
Description: A weather application that tells the given weather of any city at any time