Tawana Hondonga

343-987-4077 | tawanahondonga@cmail.carleton.ca | linkedin.com/in/tawana-hondonga | github.com/TawanaH

Education

Carleton University — Ottawa, ON
Bachelor of Science in Computer Science, Minor in Business, ***GPA****: 4.0/4.0* — *Expected April 2027*

Relevant Coursework: Data Structures & Algorithms, Systems Programming, Software Engineering, Web Applications, Discrete Math, Object-Oriented Programming

Technical Skills

Languages: C/C++, Java, Python, JavaScript, HTML/CSS, Visual Basic
Frameworks & Databases: Node.js, Express.js, SQL, SQLite, PostgreSQL
Developer Tools: AWS, Docker, Git, Valgrind, Linux, Powershell, OpenStack
Libraries & APIs: React, Selenium, JavaFX, Websockets, Pandas, TensorFlow, Keras, Scikit-Learn

Experience

Software Engineering Fellow — July 2024 – September 2024
Headstarter AI — *Remote, USA*

Teaching Assistant | Introduction to Computer Science I — September 2023 – April 2024
Carleton University — *Ottawa, ON*

- Developed and presented weekly **Python** code demos and presentations to over **75+** attendees, improving their grasp of course content.
- Conducted weekly office hours offering personalized assistance to students on course material.
- Assessed student assignments and provided constructive feedback to enhance learning and inform students of their performance.

Projects

iMedify | *Node.js, Express.js, SQLite, JavaScript, HTML, CSS*

- Designed a seamless and intuitive interface that enables users to effortlessly store and manage their local media alongside content from their favourite online streaming services, all in one convenient location.
- Incorporated **SQLite** to ensure efficient data storage and retrieval, supporting robust user account management and persistent media storage.
- Employed **Handlebars** to render dynamic content smoothly, enhancing the overall user experience with seamless interactivity.

Migraine Classification Neural Network | *Python, TensorFlow, Pandas*

- Leveraged **TensorFlow** 2.0 and **Pandas** to develop a neural network that classifies seven types of migraines with **93%** accuracy, analyzing patient data and symptoms.

Ghost Hunt Simulation | *C, Linux, Makefiles, Valgrind*

- Developed a ghost hunt simulation using pair programming, featuring a mapped environment, four equipped hunters, and a wandering ghost that leaves unique evidence.
- Implemented **multi-threaded** programming to enable simultaneous operation of ghost and hunter threads.
- Enhanced productivity and ensured code safety with **Valgrind** for debugging and **Makefiles** to streamline compilation processes.

Certifications

AWS Certified Cloud Practitioner | AWS — July 2024

Machine Learning Specialization | DeepLearning.AI — August 2022

- Supervised Machine Learning: Regression and Classification.
- Advanced Learning Algorithms.
- Unsupervised Learning, Recommenders, Reinforcement Learning.