Tony Waffo

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SUMMARY

- Looking for a **software development new grad position starting May 2025**
- Improved project **efficiency** by **30%** and problem-solving accuracy by **20%** through **leadership**, research, **teamwork**, and analytical skills
- Developing a tech solution to create **500 jobs** in **Africa** within a year.
- **Bilingual** (English/French), **sport lover**, and **manager** of sports and **AfroTech-focused** Instagram accounts.

EDUCATION

Honors BSc in Computer science | University of Ottawa, Ontario |May 2025

- **GPA: 9.5/10 | Dean's Honor List | Roger Guidon Scholarship Recipient | Jean Pierre Martin Memorial scholarship**
- **Relevant courses:** Data Structures and Algorithms, AI, Date science, Cryptography, Data communication and networking, Computer vision, Database management, UI Design, Discrete Structures, Modeling and simulation.

SKILLS

- **Programming languages:** Python, Java, PHP, C++, C, Go, Scheme, Prolog
- **Web Development:** HTML, CSS, JavaScript, React.js, React Native, jQuery, Bootstrap, Node.js, Express.js, AJAX, Dart
- **Frameworks & Libraries:** PHP Laravel, OpenCV, Flutter, Wix studio, TensorFlow
- **Databases:** MySQL, PostgreSQL, Firebase, SQL
- **Tools & Platforms:** Git, GitHub, Eclipse, Android Studio, Windows, TensorFlow, CMS
- **Learning:** Kotlin, Vue.js, Angular, AWS, Google Cloud, Spring, Next.js, Scala

WORK EXPERIENCE

Full Stack developer – Bease   *April 2024 – now*
- Built a job-matching platform with a responsive **React.js** front end and a **Laravel** back end.
- Designed **MySQL** databases and secure **RESTful APIs**, integrating global payment systems.

Web developer internship - **Vosyn AI**   *May 2024 – August 2024*
- Developed a responsive video-sharing platform with **React.js** and **Redux**.
- Conducted unit tests using **Jest**, ensuring seamless **API** integrations.

Technical support - Teleperformance Canada   *July 2022 – March 2023*
- Resolved macOS and iOS issues, enhancing resolution speed and customer satisfaction.

Developer Intern - Rainbow CL   *October 2019 – March 2020*
- Created dynamic websites using **HTML**, **JavaScript**, **PHP**, **Bootstrap**, **jQuery**, and **Wix**, integrating **MySQL** databases for efficient data management.

RELEVANT PROJECTS

AI Trainer for Movement Exercise Recognition (Python, AI, Computer Vision, TensorFlow, OpenCV)
Developing an AI-powered system using TensorFlow and OpenCV to detect, count, and evaluate exercise movements in real-time. The trainer assesses form and provides corrective feedback, ensuring proper technique. Designed for fitness, rehabilitation, and sports training applications, with the flexibility to operate in diverse environments.

Chat App *(C programming language)*
Developed a chat console app using **sockets** programming and **threads**. Several entities in the same network can receive and send messages to a specific person by entering the receiver's name followed by a hyphen and the message itself.

Brick Breaker Game *(C++ programming language)*
Coded a brick Breaker Game showcasing my skills **in C++ programming** language and the **OOP concepts**. The player controls the paddle with the left and right key of the keyboard and the aim is to break all the bricks with the ball.

DGroup website *(Wix, Python, Flask)*
Developed the **website (frontend and backend)** for a security company based in Ivory Coast using **Python Flask** and **Wix** as a **CMS**. The site features an admin login for management and allows users to submit quotes and view the services offered.

Android Mobile App *(Java, Android studio, Firebase)*
Using **UML concepts**, **Java, Firebase** and **Android studio**, I developed a **mobile application** that implements basic functionalities for the services offered by a fictional province, allowing citizens to obtain a driver's license, photo ID, health card and many other services.

E-Hotel website *(HTML, CSS, Angular, PostgreSQL, Java, Express.js, Node.js)*
Developed a hotel reservation **Web App** for a virtual hotel chain. Designed a robust database using **PostgreSQL** for real-time room availability checks and online booking. Demonstrated ability to deliver scalable solutions and collaborate effectively in hospitality sector.

Video Surveillance person recognition *(GO version, Scheme version, LISP version, Python, Computer vision)*
Created a computer vision solution leveraging Python and OpenCV for person re-identification across video frames. Utilized histogram intersection for similarity matching, achieving accurate identification for surveillance and security systems. Developed in **Python** and **OpenCV**, with additional versions in **Go**, **Scheme**, and **Lisp**, this project effectively utilizes color histograms for enhanced identification accuracy.