Abdel Odedele

Gatineau (Québec) Ready to move

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Skills

Programming Languages: C/C++, C#, Python, Java, Kotlin, HTML, CSS, JavaScript/TypeScript

Frameworks & Libraries: React, Node.js, PyTorch, Keras, scikit-learn, OpenCV, Qt

Tools & Technologies: QGIS, Git, Cmake, Visual Studio, Android Studio, Jira, SQL, Windows, Linux, MS Office, LibreOffice, SharePoint

Areas of Expertise: Web Development (Full Stack), Application Development Embedded Systems, Electronics Engineering

Other: Fully Bilingual (French / English)

Education

Bachelor's in Computer Science – 2024

Université du Québec en Outaouais, Gatineau (Québec)

Technical DEC in Programmable Electronics Engineering – 2021

Cégep de l'Outaouais, Gatineau (Québec)

Professional Experience

Garden Associate | Home Depot - 2025

- · Offered customer service.
- Processed customer transactions and deliveries.
- Kept the store clean, well-organized, and properly merchandised.
- Resolved customer complaints in a professional manner.
- · Managed inventory.
- · Cared for the plants.

Research Assistant | Université du Québec en Outaouais - 2023

- Conducted research and collected data from documentation, surveys, and lab experiments.
- Wrote Python and SQL scripts to automate testing processes and analyze results.
- Assisted in redacting academic documents and articles for publication.

Teaching Assistant | Université du Québec en Outaouais - 2023

- Assisted in teaching web development concepts and practical exercises in class.
- Prepared course content and graded student projects related to web development.

Web Publisher and Maintainer (Internship/FSWEP) | Employment and Social Development Canada – 2021–2022

- Collaborated with users to establish specifications for web development projects.
- Updated intranet sites and handled modification requests from other departments.
- Wrote technical documentation for web projects.
- Helped with the creation of the new SharePoint site

Electronics Engineering Technologist | AV-tech - 2020 (Internship)

- Installed and maintained embedded systems for building security.
- Configured network and controller hardware on-site.
- Repaired damaged equipment and set up video surveillance systems.

Electronics Engineering Technologist | Cégep de l'Outaouais - 2019-2020

- Designed, developed, and tested a greenhouse controller using C++.
- Developed a long-term cloud storage system for data management.
- Created an Android app in Java for system monitoring and control.
- Completed the analysis of the clientès requirements and wrote a specification document.

Cadet | CCMRC 236 Gatineau - 2012-2019

- 2016 to 2019: Staff cadet.
 - o Planned and taught lessons.
 - Lead a division.
 - Supervised cadets.
- Summers of 2017 and 2018: Sailing intructor and camp counselor.
 - o Prepared theoretical courses and taught sailing
 - $\,\circ\,$ Supervised a group of teenagers.
- 2018 to 2019: Coxswain.
 - o Responsible for the smooth running of activities.
 - Lead the parades.
 - o Organised event with the help of the officers and the staff cadets.

Projects

Utility Pole Position Detector 2024

- Trained a model based on YOLO to detect utility poles in images.
- Built a database of streetview images with their geospatial metadata obtained through the streetview API.
- Wrote code to calculate the position of utility poles based on their position in streetview 360 images and operate on the geospatial data to create a map in QGIS.

Obstacle Avoidance Agent - 2023

- Trained a car agent using PPO to avoid obstacles in a simulated world (CARLA and F1tenth).
- Determined the reward function, adjusted the hyperparameters, set up the environement, inputs and outputs of the agent.

Greenhouse Controller - 2019-2020

- Designed and implemented a microcontroller-based system to regulate temperature, humidity, and light conditions for plant growth optimization.
- Developed an Android application for remote monitoring of the greenhouse environment.

Publications

- Co-authored research paper: Analysis of Cryptographic CVEs: Lessons Learned and Perspectives
 - o Raphaël Khoury, Jérémy Bolduc, Jason Lafrenière-Nickopoulos, Abdel-Gany Odedele