Uyi Michael Oronsaye

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EDUCATION

Concordia University — Montreal, Canada - Bachelor of Engineering, Major in Software Engineering

WORK EXPERIENCE

Concordia University, Montreal, Canada   September 2025 – Present
Student Lead
- Supported program administration, events, and outreach in collaboration with facilitators.
- Led peer-to-peer discussions and activities to foster reflection, team bonding, and leadership.
- Promoted engagement via Teams and Concordia events, representing the program across campus.

Pragmatiste, Montreal, Canada   August 2020 – Present
Team Lead   August 2021 – Present
- Supervised 10+ employees, managed scheduling, and ensured strong communication.
- Implemented coaching sessions that boosted sales conversion by 10%.
- Supported campaigns including 1800GotJunk and Canadian Red Cross.

Zetane Systems Inc, Kirkland, Canada   May 2024 – August 2024
Software Developer Intern
- Designed and implemented AI pipeline tools, debugging and resolving critical software issues in collaboration with cross-functional teams.

Junior Software Developer   September 2024 – May 2025
- Contributed to AI applications such as a genre classifier and a text to PowerPoint generator.
- Implementation of generative AI using OpenAI and Hugging face models
- Produced tutorial videos and technical documentation, enhancing user adoption and clarity.

RELEVANT PROJECTS

Concordia University   September 2020-Present
Digital Twin of PEEKbot Rover – Capstone Project
- Building a high-fidelity digital twin of a lunar rover for the Canadian Space Agency
- Simulating rover mobility, electric power flow, and battery consumption using ROS 2 and Gazebo
- Integrating sensors and telemetry to test mission scenarious before physical deployment.

Warzone Project – C++(Warzone-GithubLink)
- Implemented backend components (game engine, command processing, game loop).
- Applied Observer and Strategy design patterns with graph algorithms.

Campus Compass – Mobile App (CampusCompass-GithubLink)
- Developed cross-platform (Android and IOS) map guide app for students and visitors with Agile sprints.
- Enhanced GitHub collaboration through PR reviews, conflict resolution, and shared artifacts.

Car Rental Application – Web App (Rentaroos-GithubLink)
- Built a full-stack rental web app with frontend/backend integration and DBMS.
- Applied Agile methodology with SCRUMs, client feedback, and continuous deployment.

EXTRA-CURRICULAR ACTIVITIES

Vice-President Internals Concordia University, Montréal, QC   January 2024-January 2025
National Society of Black Engineers (NSBE)

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, Prolog, Clojure, C#
Web Development & Frameworks: HTML5, CSS, JavaScript, React, Node.js, Express.js, Tailwind CSS, Kotlin
Database Systems: MySQL, PostgreSQL, MongoDB, Neo4j,SQLite
Tools & Technologies: GitHub, Docker, Kubernetes, OpenGL, CI/CD, Gradle, Maven, Hugging Face, TensorFlow
Additional Skills: Object-Oriented Programming, Data Structures & Algorithms, Microsoft Office Suite, Embedded System