Mouhamed Kairson Coundoul

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My website • **LinkedIn**

SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | MacOS • Windows Microsoft • Linux

Applications | Microsoft Azure • Eclipse • Visual Studio • PyCharm • IntelliJ • RStudio • Visual Studio Code • GitHub • KiCad • XAMPP • Microsoft Office • XCode • Figma

Programming | Java • JavaScript • TypeScript • PHP• HTML • SCSS• C • Python • C++ • SQL • NoSQL • C# • Clojure • Erlang • Swing

Framework & Libraries | Node JS • React • React Native • Stencil.JS • jQuery • Angular • Bootstrap • Tailwind CSS

Methodologies | Scrum, Agile, Continuous Improvement, first principles thinking (learning)

Languages | French|Spoken & Written • English|Spoken & Written

Licenses & Certifications | Valid Learner's permit • Transport of hazardous materials (land category B) CISSS de la Montérégie-Ouest (2023)

EDUCATION

Bachelor of Engineering – Software Engineering Co-op   **2022-2026 (Expected)**
Concordia University, Montreal, QC
- Member of the Institute for Co-operative Education
- Relevant Courses: Databases, Object-Oriented Programming II, Advanced Program Design with C++

DEC in Sciences   **2020-2022**
John Abbott College, Sainte-Anne-de-Bellevue, QC
- Honor Roll Student/ Dean's List (2021, 2022)

WORK EXPERIENCE

UX Software Developer   **Jan 2024–Apr 2024**
Genetec 759 Rue du Square-Victoria, Montréal, QC H2Y 2H7

- Participated in the design and development of UI components used by different groups in the company.

- Helped maintain existing applications and implement any necessary additions or enhancements.

- Translated UX design mock-ups to actual code and collaborated through Microsoft Azure.

- Utilized problem-solving skills to identify and resolve various issues and software bugs through unit and end-to-end testing.

- Utilized a diverse skill set encompassing Angular, VueJS, and React frameworks to design and implement innovative UI components.

- Contributed to fostering a modern and user-friendly interface for company applications.

Business Analyst   **May 2024–Aug 2024**
CSL 759 Rue du Square-Victoria, Montréal, QC H2Y 2H7

- Collect and analyze current service quality according to business needs & expectations.

- Document and communicate the service level objectives (SLOs) and best practices to stakeholders.

- Assessed and improved service quality and performance metrics across different business areas.

- Collaborated with digital and business teams to define and assign roles and responsibilities for application support.

- Assist and implement approved solutions.

PROJECTS

Campus Guide Mobile (Academic)   **Jan 2025-April 2025**
- Purpose: Developed a mobile application to assist students in navigating their university campus efficiently.
- Technology: React Native, Expo Go, Jest, Maestro, MappedIn Google Maps API, Figma.
- Features: Real-time location display, outdoor and indoor navigation, class schedule integration, and accessibility-friendly routes.

Core Competencies: Agile Development, Mobile Development, UI/UX Design, Testing Automation.

RateMyPeers, Peer Assessment application (Academic)   **Sept 2024-Dec 2024**
- Purpose: Create a full-stack application to enable students to provide feedback on their teammates' performance
- Technology: React, TypeScript, Vite, Tailwind CSS, Figma, GO, MongoDB, GitHub.
- Enables students to evaluate their peers based on four key performance criteria dimensions.
- Enables instructors to manage classes and teams while tracking a student's progress through a dashboard.

Core Competencies: Agile Development, UX and UI Design, Full stack web development, Refactoring, Creativity, Problem analysis, Problem-solving, Debugging, Teamwork, and Communication.

Database Project (Academic)   **Sept 2024-Dec 2024**
- Purpose: Create and populate a database recording information about various soccer leagues from recent years.
- Technology: Python, pgAdmin 4, PostgreSQL, Neo4j, GitHub, Soccer API.
- It enables users to access a variety of statistics and trends in soccer from recent years.

Core Competencies: ERD design, Refactoring, Problem analysis, Problem-solving, Debugging, Teamwork, and Communication.

File Processor Python (Academic)   **2023-2023**

- Purpose: Create a program to process a text file containing shapes and their respective measurements.
- Calculate the area, perimeter, eccentricity or inradius of the shapes.
- Implemented with Python inheritance, I/O, and ASCII art.
- This solo project resulted in a processor capable of extracting specific shapes from a text file and automatically calculating their respective geometric values.

Core Competencies: I/O, Inheritance, Problem-solving.

Simon Game (Personal)   **Dec 2023-Dec 2023**
- Purpose: Create a web application for the Simon game, a short-term memory game.
  This is a project from The Complete 2024 Web Development Bootcamp, instructed by Dr. Angela Yu.
- Technology: HTML, CSS, JavaScript, jQuery.
- Result: Fully functional Simon game with levels.

Core Competencies: HTML, CSS, JavaScript, jQuery, problem analysis and solving.

INTERESTS

Experience Abroad   Travelled to Spain in 2018 for a Soccer camp with the professional Valencia Club de Fútbol for 1 week.

Sports   Soccer, Hockey, Tennis.