

Mouhamed Kairson Coundoul

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[My website](#) • [LinkedIn account](#)

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 • CSS • C • Python • C++ • MySQL • C# • Clojure • Erlang • Swing

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

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 2280 Bd Alfred Nobel, Montréal, QC H4S 2A4

- 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.
- Applied problem-solving skills to identify and troubleshoot various issues and software bugs through unit and e2e 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.

Service aid (Aide de service)

Aug 2022–present

JeContribue - CISSS Montérégie-Ouest, Centre de Dépistage COVID-19 de Valleyfield, QC

- Communicated professionally to explain COVID-19 screening procedures to staff members and visitors.

- Followed in-process quality control procedures and performed accurate data entry of patient information to prepare collected specimens for testing and analysis.
- Collected and prepared nasal-pharyngeal samples for PCR testing of COVID-19 following standard processes.

PROJECTS

Web Developing/ Creating a Website (Personal)

2023-2023

- Purpose: Building a portfolio website to introduce myself and my projects
- Website built with HTML, CSS, Bootstrap
- Result: Aesthetically pleasing website

Core Competencies: Web design, Code ergonomics.

File Processor Python (Academic)

2023-2023

Concordia University, Montreal, QC

- 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.
- Utilizing HTML, CSS, JavaScript, and the jQuery library.
- Result: Fully functional Simon game with levels.

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

Asteroids Web application (Personal)

2023-Present

- Purpose: Recreate the classic game *Asteroid* using JavaScript
- Utilizing HTML, CSS and extensive JavaScript
- Creating smooth gameplay and varying difficulty depending on the size of the screen
- The functionalities implemented are the spaceship's movement and the asteroids' spawning. Functionalities left to implement are the player's lives, points and game over.

Core Competencies: Problem analysis, Problem-solving, Trigonometry, Math, Debugging, JavaScript, HTML, CSS.

System Hardware/Building a 4-bit Toy Computer (Academic)

2023-2023

Concordia University, Montreal, QC

- Purpose: Work with a partner to construct a computer that can proficiently carry out specific instructions.
- Utilizing distinct TTL integrated circuits (555 timer, ROM chip, Logic gates) and basic circuitry components
- The project showcased a circuit that used an LED pack to display the sequential toggling of computer instructions.

Core Competencies: Problem analysis, Problem-solving, Debugging, Resource management, teamwork.

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