Mouhamed Kairson Coundoul

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LinkedIn account

SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | MacOS •Windows Microsoft • Linux

Applications | Eclipse • Brackets • Visual Studio • PyCharm • IntelliJ • RStudio • Visual Studio Code • Sublime Text • GitHub • KiCad • XAMPP • Office automation (Microsoft Office) • XCode

Programming| Java• JavaScript • PHP• Html • CSS• C • Python • R • C++ • MySQL • C# • Clojure • Erlang • Swing

Framework| Bootstrap

Methodologies| 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
- GPA 3.59
- 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

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.
- Interacting with clients and asking them questions about their present medical condition, why they need to be tested, verifying what they did in the last hour to decide the proper test to perform, and verifying their identity.
- 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 methods and processes.

PROJECTS

Asteroids Web application (Personal) **2023 - Present**

- Purpose: Recreate the classic game *Asteroid* using JavaScript
- Utilizing HTML, CSS and extensive JavaScript

- Creating smooth gameplay and variating 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.

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

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.

System Hardware/Building a 4-bit Toy Computer (Academic) **2023-2023**
Concordia University, Montreal, QC

- Purpose: Collaborate 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 resulted in a circuit displaying with an LED pack how the inwards of the computer can sequentially toggle between instructions. The LED pack lit up in different arrangements specifying different instructions.

Core Competencies: Problem analysis, Problem-solving, Debugging, Resource management, Efficient space utilization, teamwork, and organization.

Expo Science (Academic) **2019-2020**

Cité-des-Jeunes High School, Vaudreuil-Dorion, QC

- Purpose: Research a physics-related topic, conduct an experiment and present your findings to qualified experts (engineers, doctors, teachers). Done with a partner.
- The topic chosen was the Stroboscopic effect. Utilizing this phenomenon, the rotational frequency of a fan was experimentally calculated and compared to its theoretical value.
- Result: Finished 6th out of 75 students. (The top 3 were scheduled to go to a regional science fair)

Core Competencies: Creativeness, problem analysis and solving, teamwork, public speaking, research.

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