ABDERRAOUF EL KHALIL KAROUN

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Longueuil, QC

SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems │ Windows 365 • Linux • Unix • Mobile • MacOS • Ubuntu

Applications │ Word • Excel • Eclipse • Visual Studio Code •IntelliJ IDEA •KiCad •PowerPoint •OneDrive •Teams

Programming │ Java • JavaScript • Node.js • React.js • HTML • CSS • C# • Python • Clojure • Erlang • SQL • C++

Methodologies│ Lean Engineering • Lean Manufacturing • Customer Relationship Management (CRM) • Agile and Scrum • Project Management • Kaizen • DevOps • CI/CD Workflows • Six Sigma

Other │ AutoCAD • Docker • Visual Studio • Git • MySQL • PHP myAdmin •Azure • Microsoft Office • Power BI

Languages │ French & English │Spoken & Written – Fluent • Spanish Spoken & Written – Intermediate

EDUCATION

Bachelor of Engineering – Software Engineering Co-op   **2024 - 2028 (Expected)**

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Relevant Courses: Object-Oriented Programming I & II, Data Structure and Algorithms, Web Programming, System Hardware

DEC in Health Sciences   **2023**

Cégep Édouard-Montpetit, Longueuil, QC

- Mention Odyssée – awarded for outstanding student involvement and engagement

PROJECTS

Adoption Shelter Website (Academic Project)   **2024**

Concordia University, Montreal, QC

- Developed a dynamic full-stack pet adoption website using Node.js, Express, HTML/CSS, and JavaScript, featuring a functional login/register system, cookie-based user tracking, and file-based data storage with access restrictions for authenticated users.
- Gained hands-on experience in server-side logic, interactive form design, user input validation, session management, and file I/O.

Core Competencies: Critical thinking, Problem Assessment and Analysis, Adaptability, Patience, Creativity

Chess Game - Java GUI Application (Hackaton, Personal Project)   **2024**

Concordia University, Montreal, QC

- Developed a desktop game using Java and Swing, implementing real-time graphics, user input handling, and logic-based decision-making, and a responsive GUI with custom rendering, mouse interaction, and dynamic visual.
- Applied event-driven programming, efficient data structures, graphics rendering, and clear code organization to deliver an interactive, user-friendly application.

Core Competencies: Problem Assessment and Analysis, Event-Driven Programming, Patience, GUI development

Weather Report System (Academic Project)   **2025**

Concordia University, Montreal, QC

- Built a functional application to view, transform, filter, and analyze weather datasets, extracting insights on temperature trends, and other metrics.
- Applied functional programming techniques to process structured data efficiently, gaining experience in data manipulation, transformation, and rule-based analysis.

Budget Tracker – C application (Academic Project)   **2025**

Concordia University, Montreal, QC

- Developed a modular C program to record, sort, and summarize financial transactions, enabling users to monitor spending patterns and assess budget performance.
- Implemented data parsing, storage, and sorting algorithms to process user input, applying file I/O and structured programming to organize and analyze expense data.

WORK EXPERIENCE

Site Controller/Operator   **August 2020 – October 2024**

Laronde SixFlags, Montréal, QC

- Oversaw daily operations of the Catapulte ride, ensuring strict compliance with Skycoaster and ASTM safety protocols, supervising crew members, and managing real-time risk assessments and operational decisions
- Delivered training for new staff, conducted pre-operation inspections on harnesses, winch systems, and structural components, and ensured seamless communication and coordination during ride operations.

Core Competencies: Leadership • Technical training • Risk assessment • Ride operations • Safety compliance • Clear communication

VOLUNTEER WORK

Student Mentor, Academic Support for Students   **2023**

Cegep Edouard Montpetit, Longueuil, QC

- Provided guidance and mentorship to first-year students on how to develop effective study habits, manage their time, and prepare for exams.
- Shared personal strategies and tips that helped me succeed, answered questions about course expectations, and offered support to ease their transition into higher education.

Event Volunteer, Demi-Marathon Sun Life de Longueuil   **2023**

Les Courses Thématiques, Longueuil, QC

- Managed participant flow and provided information to runners and spectators, contributing to the smooth operation of the event.
- Collaborated with a team of volunteers under the guidance of a team leader, demonstrating strong teamwork and communication skills.

Event Volunteer, Porte Ouvertes Cegep Edouard Montpetit   **2022**

Cegep Edouard Montpetit, Longueuil, QC

- Helped guide and support prospective and newly admitted students during Edouard Montpetit open house event.
- Answered questions about student life, program requirements, and the general experience.
- Contributed to creating a welcoming atmosphere and encouraged engagement by sharing my own journey as a health science student

INTERESTS

Sports	Soccer (casual league, 2022–present), Basketball (school, 2017–2019)
Passions	Historical politics and their contribution to shaping the modern world