

ALI BENKARROUCH

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[linkedin.com/in/alibenkarrouch](https://www.linkedin.com/in/alibenkarrouch)

Website portfolio: www.aliben.me

GitHub: github.com/ben4ali

Lumiro Studio (Web Agency): <https://lumiro.studio>

French, English

EDUCATION

Bachelor's in Software Engineering
École de Technologie Supérieure (ÉTS), Montréal

Since Sep. 2025

DEC in Computer Science, specializing in web and mobile application development
Cégep de Rosemont, Montréal

2025

SKILLS

Programming: Python, Java, C#, JavaScript, TypeScript, HTML, CSS, SQL, PHP, Kotlin, Lua

Frameworks & libraries: React, Angular, Next.js, Express.js, Spring boot, Flask, .NET Core, Electron, Vue, Tailwind CSS, Bootstrap, JQuery, JavaFX, Swing, JavaEE

Database and Authentication: MySQL, PostgreSQL, MongoDB, SQLite, Firebase, Auth0, Stripe

DevOps and tools: Git, AWS, Azure, Google Cloud, Unity, JWT, Android Studio, Suite Office, Postman, Google Apps Scripts

Software development: Full-stack architecture, secure REST API design, authentication system integration, and relational and NoSQL database management.

Methodologies: Agile/Scrum, version control with Git, collaboration via GitHub/GitLab

Others: UI/UX with Figma, deployment on cloud (AWS, Azure, GCP)

PROFESSIONAL EXPERIENCE

Full-Stack Business Intelligence Developer (Intern)

Jan. 2026 – May 2026

Airbus (Airframe Design Engineering team), Mirabel

- Designed and developed a robust web-based resource management application for the aircraft structural design engineering team.
- Modernized and automated data flows and real-time key performance indicators (KPIs)
- Managed the entire software development lifecycle, from analyzing the team's technical requirements through to the testing phases

Full-Stack Developer (Intern then Full time Contract)

March 2025 – Sept. 2025

I3 mobile application and software design firm, Montreal (Remote)

- Designed, developed, and deployed modern, high-performance web and mobile applications (React, Node.js) on AWS and GCP for various clients of the agency.

Achievement: Implemented an AI-based automation system for generating blog posts (saving ~30 hours per month) and sending bulk emails, drastically reducing operational costs associated with third-party tools.

Front-End Developer (Intern)

May 2024 – Aug. 2024

Loriginal, Montréal

- Designed and developed most of the website's front-end interfaces.

- Optimized web pages to improve SEO and increase organic traffic.
- Mentored and onboarded new interns within the front-end team.

Achievement: Developed a bot to automatically retrieve artist profiles, which contributed to a significant increase in the number of active artists on the platform.

PROJECTS AND ENTREPRENEURSHIP

Lumiro Studio (Software Solution Agency) <https://lumiro.studio> 2025

- Founded an agency specializing in web development and digital optimization for small and medium-sized businesses.

- Flagship Project - Le Brow Studio (<https://lebrowstudio.com>):

Complete design and deployment of a SaaS booking and e-commerce application:

- Integration of a secure payment gateway (Stripe) and cloud storage (Amazon S3)
- Business Impact: Comprehensive optimization of the conversion funnel and local SEO, driving the number of bookings from 3 to 40 per week (**+700% growth**) and generating **CAD 30,000** in revenue in 3 months.

Spellmotion, GitHub link (Preview): github.com/ben4ali/Spellmotion-unity 2025

Interactive game where players use hand gestures detected by the camera to cast spells and interact with the game.

- Developed an interactive game based on gesture recognition with OpenCV and Mediapipe
- Implemented real-time gameplay logic in Unity with C#
- Experiment with computer vision applied to the user experience

Algorithm Visualization Module- Platform Progression 2025

Technical Contribution (Cégep de Rosemont)

- Designed and integrated an interactive real-time code visualization module for the Progression academic platform (used by several Cégeps in Quebec).
- Developed visual components to illustrate, step by step, the execution of complex algorithms (sorting algorithms, pathfinding in a matrix of obstacles).
- Enhanced the students' learning experience by translating abstract logical concepts into smooth, interactive visual representations.

WORK EXPERIENCE

PROGRAMMING TUTOR

Aug. 2024 – June 2025

Cégep de Rosemont, Montréal

- Provided individualized academic support to Cégep de Rosemont students for computer science courses related to web and mobile application development
- Tutored students on complex technical concepts in a clear manner adapted to each student's level of understanding.

ADDITIONAL CERTIFICATIONS & TRAINING

Amazon Junior Software Developer Professional Certificate

Amazon - 2025

Skills in backend/frontend software development, cloud and professional tools

Google Cybersecurity Professional Certificate

Google – 2023

Concepts in cybersecurity, threat analysis, incident management