

Omar Lahlou Mimi

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Summary

Computer science student with expertise in **full-stack development** and **AI-powered solutions**. Proven ability to **scale applications**, **optimize workflows**, and deliver **measurable results**.

Skills

Languages: Python, JavaScript, TypeScript, Java, C#, HTML/CSS, SQL, Dart, Lua

Frameworks/Libraries: React, Node.js, Express, Flutter, Flask, MongoDB, Firebase, TKinter, CI/CD, DevOps

Education

John Abbott College, DEC Computer Science – Saint-Anne-de-Bellevue, QC

August 2023 – May 2026

- Current R-score: **32.624**, **Dean's List recipient**

Harvard University, CS50: Introduction to Computer Science

August 2022 – December 2022

Experience

Specialist, Apple

August 2025 – Present

- Deliver **personalized customer experiences** by understanding technical needs and providing tailored Apple ecosystem solutions
- Build **brand loyalty** through consultative selling approach, demonstrating empathy and problem-solving skills in fast-paced retail environment

DevOps Engineer Intern, CAE

Summer 2025

- Optimized **CI/CD pipelines** using Build Orchestrator, automating **20+ hours of manual work weekly** through intelligent build triggers
- Implemented **automated asset versioning system** ensuring synchronized builds across multiple training simulation products
- Enhanced deployment efficiency by **75%** through streamlined build processes and automated testing integration

Research Assistant Intern, Institut de tourisme et d'hôtellerie du Québec

Summer 2024

- Developed **Python desktop application** with TKinter for automated government document classification, reducing manual processing time by **80%**
- Built **web scraping solution** analyzing pet policies across **100+ hotels**, saving approximately **40 hours of manual research weekly**
- Implemented **Monday.com integration platform** enabling seamless data sharing and automated report generation for annual compliance documentation

Projects

VisoCode: AI-Powered Educational Video Platform

- Developed **multi-agent AI pipeline** transforming questions into expert-level animated educational videos
- Implemented **ResearchAgent** using arXiv API and **CodeAgent** with Manim animation library for automated content generation
- Built full-stack application with Python backend (**90.5%**) and TypeScript frontend, deployed on Vercel
- Technologies: **Python**, **Manim**, **LaTeX**, AI integration (Kimi-K2, Gemini), **TypeScript**, **React**

PlanIt Mobile App

- Developed smart group planning application with **100+ beta testers** and schedule optimization algorithms
- Achieved **6th place** at CUSEC 2025 (Canada's largest student-run software engineering conference)
- Implemented **real-time schedule matching** for full-day activity planning with location-based recommendations
- Technologies: **Flutter**, **Dart**, **Firebase**, Google Places API, iOS/Android deployment

Awards & Achievements

- **First Place Winner** - MariHacks 2025, DawsHacks 2025
- **Security Challenge Winner** - JacHacks 2025
- **Second Place Winner** - Vanier Hacks 2025, Bell GeekFest Hackathon 2023
- **6th Place** - CUSEC 2025 (Canada's largest student software engineering conference)
- **Most Creative Project** - CSSA Personal Project Showcase 2025, Vanier College
- **Game Design Course Graduate** - StudioXP, Collège Beaubois 2019