

Mauricio Javier Letort

 mjletort@gmail.com  (438) 979 4330  1430 City Councillors St Montreal, Canada

 linkedin.com/in/mauricio-javier-letort-129b30258  French Nationality  Personal Webpage

PROFESSIONAL EXPERIENCE

Hotel Innovation and Supplier Database Specialist Intern

San Jose de Puembo Hotel and Conference Center, an Ascend Hotel Collection

05/2025 – 08/2025
Quito, Ecuador

- Designed and deployed **NFC-enabled** guest cards providing access to hotel services.
- Integrated an **AskSuite AI-powered chatbot** with the hotel management system, enabling 24/7 automated support. Coordinated meetings and led the onboarding.
- Contacted and researched information regarding each vendor to build a **complete database** for all the **hotel suppliers**. Analyzed the profitability of each supplier.

Junior Programmer

Robalino Law

07/2024 – 08/2024
Quito, Ecuador

Worked on the **BIPAT** (Business Intelligence Process Automated Technology) team, creating solutions for the firm's clients. Engaged in team projects simultaneously and created scripts in Python for the client's solutions.

Design Specialist

Grupo Más

06/2023 – 07/2023
Quito, Ecuador

- Created and planned the **front-end** of an app design to help in parking solutions.
- Used the **Justinmind** software for the prototyping of the app.

Ecuador Interactive Tourism Map

03/2025 – Present

Ñan Magazine

- Developed an **interactive digital map** showcasing Ecuador's lesser-known tourist destinations.
- Conducted **in-depth regional research** and curated cultural highlights, imagery, and local recommendations.
- **Government-backed** project funded by the **Inter-American Development Bank** (IDB); presented as part of a national tourism revitalization initiative.

EDUCATION

B.Sc. Computer Science - Artificial Intelligence, Minor in Entrepreneurship

McGill University

09/2022 – 12/2026
Montreal, Canada

Colegio Menor San Francisco de Quito

Magna Cum Laude 93.34 GPA

06/2022

Quito, Ecuador

PROJECTS

AHOTEC Hotel Chatbot Developer

07/2025 – Present

- Built a full-stack hotel management app (for a group of 50 Ecuadorian hotels) with **Next.js**, **React**, **TypeScript**, **Prisma**, and **PostgreSQL**.
- Integrated **AI chatbot** and structured database architecture with **RESTful APIs** for streamlined hotel registration.

Nutria Health & Nutrition App

01/2025 – 04/2025

- Developed a **React Native** mobile app that tracks meals, provides personalized nutrition recommendations, and helps users maintain balanced diets.
- Integrated **health APIs** and **nutrition datasets** to deliver tailored insights and wellness guidance.

KaraokeJam- AI Powered Karaoke

11/2025 – 11/2025

FastAPI, React, Web Audio API, Whisper, Demucs, Librosa, Supabase

- Built a **full-stack karaoke app** in **one weekend** for **CodeJam**, a **hacking competition**, as a team of two, with **<100 ms WebSocket latency**, real-time pitch detection, using **Demucs**, **Whisper**, and **Librosa YIN** for vocal separation, lyric alignment, and melody scoring.
- Designed an **async FastAPI + React audio pipeline** (**Web Audio API** for mic capture, **base64 float32 streaming**) and a semitone-based scoring engine comparing vocals to reference pitch.
- Delivered end-to-end **MP3/WAV** processing with **Supabase (Postgres RLS, object storage)** and background jobs —turning uploads into playable karaoke in **<3 min.**

SKILLS

Programming

Python, C, Java, Bash, Command-Line Interface, Assembler, Logisim, OCaml

Languages

Spanish: Native, English: Fluent, French: Elementary Proficiency