

RAFAEL VINCENT DE GUZMAN

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EDUCATION

Concordia University

B. CompSc Co-op, Computer Science

- Member of Institute for Co-operative Education
- Member of IEEE Concordia

Montréal, QC.

Sep 2023 – May 2027

John Abbott College

DEC, 420.B0 - Computer Science

- Dean's List

Ste-Anne-de-Bellevue, QC.

Sep 2020 – Jun 2023

EXPERIENCE

Software Developer I

Intact Financial Corporation

- Maintained and enhanced the quoter application;
- Java, Spring Boot, Angular

Sep 2025 – Dec 2025

Montréal, QC

Research Assistant

Université de Montréal

- Developed AI-assisted chatbot for students struggling with Calculus I concepts;
- Python, FastAPI, OpenAI, React, Typescript, Postgres

Apr 2025 – Present

Montréal, QC

Director of Development

IEEE Concordia

- Developed Inventory Management System for the IEEE Lab using React and Supabase;
- Designed and maintained IEEE Concordia website using Next.js and TinaCMS;

Jan 2025 – Present

Montréal, QC

Application Developer

Accutele, Inc.

- Developed cross-platform mobile application using Flutter with BLE connectivity;
- Developed firmware for a custom fitness tracking device in C++;
- Flutter, Dart, C++, Bluetooth Low Energy (BLE), Firebase

Jul 2024 – Present

Montréal, QC

Software Developer Intern

Mogile Technologies

- Developed internal dashboards to manage user data and accounts;
- Built a platform for **20+ Charge Point Operators (CPOs)** to manage electric vehicle stations; enabled management of **140k+ stations**;
- Node.js, Express, VueJS, JavaScript, MSSQL

Jan 2023 – Dec 2023

Montréal, QC

PROJECTS

EventTracker

- Created Discord bot for Filipino-Americans in Tech community, serving **200+ members**, with event notifications.
- Developed using Python and Discord.py library; hosted on DigitalOcean; deployed via Docker.

Raylib Raycaster

- Built a 3D raycasting engine in C using the Raylib graphics library; implemented textured walls, floor casting, sprite rendering.

CropBox

- Built a smart gardening system with Raspberry Pi and various sensors to monitor plant growth;
- Used Azure IoT Hub to collect and analyze data; developed a mobile app using .NET MAUI for remote monitoring and control;