

# RAFAEL VINCENT DE GUZMAN

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## Education

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### Concordia University

*Bachelor of Computer Science*

Sep 2023 – May 2027

Montréal, Quebec, Canada

### CÉGEP John Abbott College

*DEC Computer Science 420.B0*

Sep 2020 – May 2023

Montréal, Quebec, Canada

Dean's List distinctions.

## Work Experience

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### Accute Inc.

*Full Stack Developer*

July 2024 – Present

*Remote*

- Contributed to the development of a cross-platform **mobile application** by implementing new features that enhance user experience and functionality
- Assisted in the integration of **IoT** workout devices, enabling the capture and processing of **real-time telemetry** data.
- Remodeled **data structure** to align with evolving business requirements, improving overall system efficiency.
- Contributed to the delivery of comprehensive analytics, providing workout insights to users.

### ChargeHub

*Software Engineer Intern*

Jan 2023 – Dec 2023

Kirkland, Quebec, Canada

- Leveraged various **JavaScript** frameworks to design and develop **data-driven** B2B products focused on the Electric Vehicle charging infrastructure.
- Actively participated in sprint-based **Agile** development, collaborating closely with teams to deliver high-quality software solutions.
- Played a key role in the **maintenance** and **refactoring** of existing code to improve software quality, performance, and scalability. Ensured alignment with evolving business requirements.

## Projects

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### StudyNoise | *Mobile Application*

Flutter — Dart

- \* Developed a mobile application that enables users to layer and customize multiple ambient sounds, creating personalized soundscapes to enhance studying and concentration.

### CropBox | *Mobile Application, Hardware Solution*

Flutter | Raspberry Pi | Azure

- \* Developed a smart farming container using a **Raspberry Pi** for real-time telemetry data collection.
- \* Implemented **Azure** IoT services to send commands for controlling fans and motors, enabling automated environmental management.
- \* Collaborated within a **Scrum** framework to develop an **Android application** for seamless monitoring and control of the farming container.

### CinemaWare | *E-Commerce Website*

Express | NodeJS | MySQL — Docker

- \* Developed a complete e-commerce demo website with **CRUD capabilities** by building a RESTful API.
- \* Implemented add-to-cart functionality and integrated email notifications using **SendGrid**.
- \* Deployed the application using **Docker containers** for consistent and scalable deployment across environments.

## Technical Skills

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**Languages:** Python, Java, C#, Dart, Golang, C++

**Developer Tools:** Git, Postman, Linux

**Libraries/Frameworks:** Azure, Firebase, MySQL, MSSQL, NodeJS, Express, Docker, Flutter, NextJS, Electron