Rafael Vincent de Guzman

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems │ Windows • Linux • macOS • iOS • Android

Programming │ C++ • C# • Java • JavaScript • TypeScript • Python • Dart

Libraries/Frameworks │ Azure • Firebase • MySQL • MSSQL • NodeJS • Express • Docker • Flutter • NextJS • VueJS

Developer Tools │Visual Studio • Visual Studio Code • IntelliJ • Postman • CLI Tools • Neovim

Methodologies │ Agile and Scrum • Deep Work

Languages │ French│Spoken & Written – Intermediate • English│Spoken & Written – fluent

EDUCATION

Bachelor of Computer Science – Computer Science Co-op   **2023 - 2027 (Expected)**
Concordia University, Montreal, QC
- Member of the Institute for Co-operative Education
- Relevant Courses: Data Structures and Algorithms, Web Programming, Operating Systems
- GPA 3.58

DEC in Computer Science   **2020-2023**
John Abbott College, Ste-Anne-de-Bellevue, QC
- Dean's List

WORK EXPERIENCE

Full Stack Developer Research Assistant   **March 2025 - present**
Université de Montréal, Remote
- Contributed to the development of an AI-Powered Calculus Tutor
- Created front-end components using React
- **Core Competencies:** LLMs, Full-stack development, Python, Typescript, React, Docker

Mobile Application Developer   **July 2024 - present**
Acculete Inc., 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
- **Core Competencies:** Full-stack development, IoT integration, data modeling, analytics

Software Developer Intern   **January 2023 – December 2023**
ChargeHub, Kirkland, QC
- Leveraged various JavaScript frameworks to design and develop data-driven products focused on the Electric Vehicle charging infrastructure
- Maintained and refactored existing code to improve software quality, performance, and scalability
- **Competencies:** Express, VueJS, Agile methodology, code optimization

PROJECTS

CropBox   **2023**
John Abbott College
- 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
- Collaborated within a Scrum framework to develop an Android application

Technical skills: IoT, Python, Azure, Android Studio
Core Competencies: IoT development, hardware integration, cloud services, object-oriented programming

Tower Defense   **2024**
Concordia University
- Developed a Tower Defense game inspired by Bloons TD, leveraging raylib as a graphics library
- Implemented C++ design patterns (factory, decorator, observer) for object-oriented programming
- Maintained version control using git

Technical skills: C++, Graphics Libraries, CMake
Core Competencies: Game development, object-oriented programming, Design patterns

EXTRA-CURRICULAR ACTIVITIES

Software Developer   **Jan 2025 - present**

IEEE Concordia
- Aided in the development of mobile applications and websites for IEEE Concordia

INTERESTS

Experience Abroad
- Japan (2024)
- Philippines (2024)
- France (2019)
- England (2019)
- Italy (2017)

Reading
- Japanese Literature
- Non-fiction
- Science fiction

Passions
- Photography
- Music Production (FL Studio, Logic)
- Video Editing (Premiere, Final Cut)
- Photo Editing (Photoshop, Lightroom)
- Consumer Products
- Product Design
- Mechanical Keyboards