

Gabriel Jude

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Education

Toronto Metropolitan University (formerly Ryerson) | Toronto, ON

Expected Graduation, 2025

Bachelor of Science in Computer Science

- Completed relevant coursework, including "Intro to Python," "Intro to Unix," "Object-Oriented Design Principles with Java," and "C/C++."
- Maintained a GPA of 3.87/4.33, earning a place on the Dean's List and an Admission Scholarship for achieving an admission average exceeding 90%.

Work Experience

TMU Rare Disease Club Software Engineer/Web Developer – React, JavaScript, HTML and Webhosting

May 2023 – Present

- Spearheaded a complete overhaul of the club website, transitioning from basic HTML code to a mobile-responsive React-based website.
- Executed strategic decisions throughout the software development lifecycle, leading to code refactoring and improved efficiency while adhering to strict timelines.
- Implemented responsive design techniques and optimized site performance, resulting in enhanced mobile user experience and increased overall engagement.

Idea Lab Kids | Stouffville, ON

July 2022 – August 2022

STEM and Coding Instructor

- Facilitated instruction in fundamental STEM and coding concepts, covering languages such as Java, Arduino, Scratch, and Electrical Engineering, fostering students' holistic STEM understanding.
- Demonstrated effective communication skills when interfacing with superiors, colleagues, and students, adeptly conveying subject matter with both depth and accessibility.
- Diligently prepared weekly lesson plans and conducted advanced self-study to ensure effective delivery of the curriculum.

Personal Projects

[Portfolio](#)

Personal Portfolio Web Application – HTML, CSS, GitHub, Cloudflare Pages

- Designed and deployed a full-stack personal portfolio web application, offering diverse browsing options for users.
- Leveraged web development languages, including HTML and CSS, in conjunction with GitHub and Cloudflare Pages for hosting.
- Proficiently managed port forwarding and CNAME record assignments using Google Domains.

Discord Bot Application – Python, Google Calendar API, Discord Python Library, Microsoft Azure Hosting

- Developed a Discord Bot for retrieving students' daily schedules from Google Calendar, enhancing group event organization.
- Utilized Azure cloud computing to create a resource-efficient Linux Virtual Machine for continuous operation with minimal downtime.
- Expertly integrated Google Calendar API and Discord Bots through in-depth documentation analysis.

Campus Mapper App Suite – Java, XML, Android Studio, Firebase Database and Authentication, HTML, CSS, JavaScript

- Collaborated in the development of a comprehensive Android application and website, facilitating campus navigation.
- Orchestrated the backend authentication service and database implementation using Google Firebase and Java, ensuring secure user sign-in.
- Contributed to the UI development of the Android app using XML and Android Studio, as well as the website's HTML-based dropdown menu.

Summary of Qualifications

- Proficient in utilizing APIs, working within a Unix environment, scripting in Bash, and demonstrating proficiency in data structures and algorithms.
- Leveraged Python to develop a Discord bot integrated with the Google Calendar API, facilitating the retrieval of students' daily schedules.
- Demonstrated exceptional teamwork, collaborating with a team of five students to conceptualize, create, and implement a comprehensive software engineering project, comprising an Android app and website designed to enhance campus navigation.
- Designed and launched a personal portfolio website, showcasing proficiency in HTML, CSS, Cloudflare, and GitHub to highlight full-stack development capabilities.

Technical Skills

Languages: Python, Java, C/C++, Bash, HTML, PHP, XML, CSS, Discord Python, Arduino

Technologies/Software: GitHub, Visual Studio Code, Unix Terminal, IntelliJ, Microsoft Office, Android Studio, Azure, WSL2