

Jacob Martinez

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Skills

- **Proficient Languages:** Python, Java, C
- **Familiar Languages:** JavaScript, HTML, CSS, SQL
- **Tools:** Windows, Microsoft Office, Git, GitHub, Visual Studio Code, IntelliJ

Education

Simon Fraser University

Sept 2021 – Apr 2025

Bachelor of Applied Sciences in Computing Science: GPA: 3.61

- 3rd year Computing Science Student
- Achieved Dean's Honor Roll in Spring 2023 Semester

Project Experience and Hackathons

CMPT 300 Operating Systems I

Sept 2023 – Present

- Learned about how operating systems work and the processes that occurs in them to make it work
- Developed coding assignments including writing and testing features to apply concepts learned

CMPT 354 Database Systems I

Sept 2023 – Present

- Learned database structures and SQL concepts
- Completed assignments involving database concepts and SQL writing

Transit Schedule Generator & Analyzer

Aug 2023 – Present

Personal Project

- Conceptualized a schedule generator for trains and buses that can generate or analyze a complete timetable based on given headways and timeframe for each given headway
- Developed in Java using ArrayList, text file reading, writing, and keyboard inputs

RootHacks Hackathon Winner

Mar 2023

Simon Fraser University

- Won most original project idea prize
- Worked on backend in Python with Pycharm and Pygame to create a root themed battle style game
- Utilized team communication and collaboration to create the project and combine our contributions over Git

Mountain Madness Hackathon Winner

Feb 2023

Simon Fraser University

- Won 1st place overall team prize
- Collaborated with teammates to plan and create the project with fast-paced development
- Worked with CSS, JavaScript, and HTML on frontend development on the "lost in translation" themed project