



# Gabriel Moosmann Mendez

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## TECHNICAL SKILLS

**Languages:** Python, C++/C, Java, R, TypeScript, SQL, Swift, CSS, HTML, JavaScript, GraphQL  
**Environments/Frameworks:** VS Code, IntelliJ, R Studio, Jupyter, Node.js, React, Express, Redux, React Native  
**Software/Testing:** MongoDB, Postman, Docker, JUnit, GDB, Mocha, Chai, Playwright, Vitest

## PROJECTS

**TripSafe (iOS Application)** <https://github.com/gabriel-m-m/TripSafe>

- Created an **iOS** mobile application using **Swift** that displays location-based travel safety information
- Built an intuitive and readable interface using **SwiftUI**
- Parsed location information by employing the **TabularData** and **MapKit** libraries

**Ledger (Java Application)** <https://github.com/gabriel-m-m/Ledger-Project>

- Developed a **Java** application that tracks and records transactions between an arbitrary number of users
- Implemented a **GUI** using the **Swing** library
- Utilized **JUnit** testing to ensure proper function of program

**Data Visualization Tool (Python Tool)** <https://github.com/gabriel-m-m/Data-Visualization-Tool/>

- Developed a program in **Python** that converts scientific publication data into a graphic based on shared authorship
- Employed the **Pandas** library for data manipulation and the **NetworkX** and **Bokeh** libraries to visualize data

## EDUCATION & AWARDS

### Bachelor of Science, Computer Science

University of British Columbia

2021 – present (3<sup>rd</sup> year), **GPA:** 4.33/4.33

#### Relevant Courses:

- CPSC 310 (Software Engineering) – **Skills:** TypeScript, Node.js, Agile, Scrum, REST, TDD, OOP, Teamwork
- CPSC 313 (Computer Hardware & Operating Systems) – **Skills:** C, Synchronous Programming, Caching
- CPSC 304 (Relational Databases) – **Skills:** SQL, Database Design, Normalization, Agile, Teamwork
- CPSC 221 (Data Structures & Algorithms) – **Skills:** C++, OOP, Algorithms, Data Structures, Teamwork
- CPSC 210 (Software Construction) – **Skills:** Java, Unit Testing, OOP, TDD, Agile, Collaboration

#### Scholarships:

- UBC Trek Excellence Scholarship: awarded to the top 5% of domestic undergraduate UBC students (2023)
- Charles and Jane Banks Scholarship (2023)
- AAPS Education Award (2022)
- Tumour Foundation of BC Scholarship (2021)

## WORK EXPERIENCE

**Optum, Hybrid Software Development and QC Engineer** | September 2024 – present

- **Developing** software projects using Angular, C# and SQL

**Famous Foods, Store Clerk** | June 2019 – April 2020

- **Collaborated** with colleagues and other departments to ensure effective store operation
- Provided **customer support** including helping customers locate products, providing product knowledge, and answering questions
- **Managed** and **organized** produce section in order to keep it fully stocked and clean