Brendan **Saw**

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Education

Simon Fraser University   *Burnaby, BC*

BACHELOR OF SCIENCE IN COMPUTING SCIENCE (GPA 4.02 / 4.33)   *Sep. 2019 - Aug. 2023*

- SFU Undergraduate Scholars Entrance Scholarship (with Distinction)
- President's & Dean's Honour Roll
- BC Achievement Scholarship with entrance from International Baccalaureate (IB) Diploma Programme

Skills

Languages	Python, JavaScript, SQL (PostgreSQL, MySQL), Java, C/C++, PHP, .NET (C#), HTML/CSS
Frameworks	Django, Flask, PyUnit, React, Angular, Node.js, JUnit, JavaFX, ASP.NET
Tools	Git, Docker, Jira & Confluence, AWS, Azure, VS Code, PyCharm, IntelliJ, MATLAB, Maven
Libraries	Pandas, jQuery, Chart.js

Work Experience

Amazon   *Vancouver, BC*

SOFTWARE DEVELOPMENT ENGINEER INTERN   *May 2022 - Aug. 2022*

- Working as an intern in the AWS (Amazon Web Services) S3 Lifecycle team

Greenlight Innovation   *Burnaby, BC*

WEB DEVELOPER CO-OP   *May 2021 - Dec. 2021*

- Developed interfaces for a web application written in **Python Django, JavaScript, and PostgreSQL** that allowed managers and executives to view KPIs in an organized fashion
- Maintained and tested features within the web application that provided time tracking and ERP functionality, in turn helping the accounting and manufacturing departments by automating repetitive tasks
- Streamlined development by introducing tools such as **Git, Jira, and Confluence** to the web development team
- Assisted in deploying written code to production and reviewing PRs before merging

Projects

GreenMaps   *C#, ASP.NET Core, Xamarin, Azure, Azure SQL*

ENVIRONMENT-ORIENTED COMMUNITY MAP   *Oct. 2021*

- Developed a **CRUD API using C# and ASP.NET Core** to serve data to a **mobile Xamarin application**
- Set up **continuous deployment to Azure from GitHub** and connected API to **Azure SQL database**

GrocerEase   *Flask, MySQL*

ONLINE E-COMMERCE STORE   *Mar. 2021 - Apr. 2021*

- Developed a website using **Python Flask and MySQL** that served as an online store, allowing users to select groceries stored in the database and check items out
- Learned about relational databases and how to prevent SQL injection by utilizing parameterized queries

Escape From Corona   *Java, JUnit, JavaFX*

MAZE GAME   *Feb. 2021 - Apr. 2021*

- Developed a **Java** maze game utilizing design patterns to learn software best practices
- Tested the game using **JUnit**, **achieving ~80% line coverage** through unit and integration tests
- Used **JavaFX** as the GUI and application platform for the game, and gained experience documenting code using **Javadocs**

HackChan   *React, Node.js, PostgreSQL*

ANONYMOUS MESSAGING BOARD   *Feb. 2021 - Apr. 2021*

- Created a messaging board application with **React, Node.js, and PostgreSQL** that allowed users to anonymously create message threads and post replies
- Containerized backend of the system with **Docker**