

# Brendan Saw

📍 Port Moody, BC, Canada    ✉ bsaw@sfu.ca    ☎ (604) 725-8168    in brendan-saw    🌐 brendansaw

## Education

**Simon Fraser University**, *BSc. in Computing Science*

September 2019 – Present

- SFU Undergraduate Scholars Entrance Scholarship (with Distinction)
- Cumulative GPA 4.02 / 4.33
- President's & Dean's Honour Roll
- BC Achievement Scholarship with entrance from International Baccalaureate (IB) Diploma Programme

## Technical Skills

**Python** (*Django, Flask, PyUnit, Pandas*)

**JavaScript** (*React, Angular, jQuery, Node.js*)

**SQL** (*PostgreSQL, MySQL*)

**Java** (*JUnit, JavaFX, Maven*)

**C++**

**C**

**PHP**

**.NET** (*C#, ASP.NET, EF, Xamarin*)

## Tools

**IDE** (*VS Code, PyCharm, IntelliJ IDEA, WebStorm*)

**Git** (*GitLab, GitHub*)

**Jira & Confluence**

**AWS**

**Azure**

**Docker**

**MATLAB**

**OS** (*Windows, Linux, MacOS*)

**Postman**

## Professional Experience

**Greenlight Innovation**, *Web Developer Co-op* 🌐

May 2021 – Present

- Developing interfaces for a web application written in Python Django, JavaScript, and PostgreSQL that allow managers and executives to easily view KPIs and project performance reviews in an organized fashion
- Maintaining and testing features within the web application that provide 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
- Assisting in deploying written code to production and reviewing PRs before merging

**CARO Analytical Services**, *IT Support & Admin* 🌐

May 2019 – August 2019

- Ensured that servers were running as intended and provided IT support to resolve technical problems
- Assisted with Active Directory management and maintained user account updates

## Technical Projects

---

### **GreenMaps**, *Environment-Oriented Community Map* [↗](#)

October 2021

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

### **GrocerEase**, *Online E-commerce Store*

March 2021 – April 2021

([github.com/brendansaw/GrocerEase](https://github.com/brendansaw/GrocerEase)) [↗](#)

- 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
- Gained first-hand experience utilizing a templating language to develop a full-stack website

### **Escape From Corona**, *Maze Game*

February 2021 – April 2021

([github.com/brendansaw/CMPT-276-Escape-From-Corona](https://github.com/brendansaw/CMPT-276-Escape-From-Corona)) [↗](#)

- Developed a Java maze game utilizing design patterns to learn software best practices
- Tested the game using JUnit, achieving an ~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**, *Anonymous Messaging Board*

February 2021 – April 2021

([github.com/brendansaw/HackChan](https://github.com/brendansaw/HackChan)) [↗](#)

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

### **Bazaar Ticker**, *Online Game Market Price Tracker*

August 2020 – September 2020

([github.com/brendansaw/BazaarTicker](https://github.com/brendansaw/BazaarTicker)) [↗](#)

- Created a website that receives data from an online external API and displays the information using JavaScript with assistance from Chart.js for front-end interface
- Set up a LAMP stack to host the website in AWS, utilizing cron jobs to run PHP scripts to obtain the API information and persist in a MySQL database

## Extracurricular Activities

---

### **Taekwondo**, *Transcending Martial Arts*

September 2017 – August 2019

- 3rd-degree black belt
- Instructor for training sessions of all ages

### **Toastmasters**, *Downtown Coquitlam TM*

November 2016 – May 2017

- President of youth club

### **Piano**, *Royal Conservatory of Music*

October 2017

- Level 8 Piano Honours and Theory First Class Honours