

# BRANDON CHAN

SOFTWARE ENGINEER

604-367-1996



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5925 Keith st. Burnaby BC



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## TECHNICAL SKILLS

**Programming languages:** Java, Javascript, Typescript, C, C++, Python, Kotlin, XML, HTML, CSS

**Programs:** Visual Studio Code, Webstorm, Android Studio, MATLAB, CLI, GIT, Github, Bitbucket, Jira

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## TECHNICAL PROJECTS & EXPERIENCE

### Frontend Software Developer Co-Op at Excelar Technologies

Sep 2024-Apr 2025

Burnaby, British Columbia, Canada

- Developed Careflow, Excelar's flagship application, using the Angular framework and TypeScript
- Processed patient and user data coming from backend APIs, configuring signal Stores, services, and selectors to streamline data flow and neatly display information
- Worked with the D3 framework to dynamically render patient data on Careflow's real-time updating timeline
- Styled pages with SCSS, Tailwind, and DaisyUI using modern best practices

### Bank simulation application

Oct 2023

Data Structures and Programming - SFU

- Conceived arrival, departure, and transaction calculator applications using C++
- Implemented with a priority queue ADT implemented with a binary heap data collection which sorts arrivals in chronological order
- Displays arrival, departure, and time in line for each customer as well as average transaction time and time in line using priority queue

### Volunteer at Lantronix inc.

Jun 2021 - Aug 2021

Vancouver, British Columbia, Canada

- Programmed, tested, and assembled DEV kits to be deployed to customers
  - Soldered, crimped, and configured wires to help with various projects
  - Collaborated in a team based setting with professional hardware and software engineers to streamline workflow
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## PERSONAL PROJECTS

### Typle

Aug 2023 - Present

- Designed an interactive typing website that allows users to compete in various typing races including head to head typing battles using a MERN stack (MongoDB, Express, React.js, Node.js)
- Hosted website globally using Vercel in conjunction with the Google App Engine API
- Incorporated low latency real time typing battles by using Socket.io
- Created a simplified matchmaking system by utilizing RabbitMQ
- <https://typle-frontend-v2.vercel.app/>

### Record Keeper App

Jul - Aug 2022

- Created a simple application built for athletes to keep track of goals and assists across multiple games for sports such as hockey or soccer using Android Studio
- Designed custom UI using XML code
- Built backend API by writing Kotlin and Java code

## NON-TECHNICAL WORK EXPERIENCE

**Adult Safe Hockey League Referee****Sep 2023 - Present**

ScotiaBarn Burnaby, BC

- Officiating adult ice hockey games (19+) at ScotiaBarn Burnaby
- Learned to be confident with my calls, think quickly, as well as work well in a team with my refereeing partner

**Triple Os Cook****Aug 2020 - Sept 2023**

Burnaby, BC

- Working the fryer, flipping burgers, and packaging items at Triple Os
- Learned to work in a team in a fast paced work setting

**Adult Safe Hockey League Scorekeeper****Jun 2023 - Sept 2023**

ScotiaBarn Burnaby, BC

- Managed scoresheet, scoreboard, and online game statistics in real time
  - Learned to multitask as well as work in conjunction with the officials and players
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## EDUCATION

**Applied Sciences, Computing Sciences, Third year****Sep 2022 - Present**

Simon Fraser University (SFU), Burnaby, BC

3.92 CGPA

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## SCHOLARSHIPS &amp; AWARDS

**Mark and Nancy Brooks Computing Science Innovation Award (1700\$)****Fall 2023**

- Granted to a computing science student in good academic standing who demonstrates exceptional accomplishment, promise or innovation in the area of computing science outside classroom work

**SFU Undergraduate Open Scholarship (840\$, 910\$, 540\$)****Fall 2023, Spring 2024, Summer 2024**

- An award granted by the Senate Undergraduate Awards Adjudication Committee to students with the highest academic standing
- Achieved in Fall 2023 and Spring 2024

**SFU Alumni Scholarship (1000\$)****Spring 2023**

- An award granted to the highest academically achieving students who also demonstrate the ability to innovate in their field
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## HOBBIES / INTERESTS

- Hockey: I've played hockey since I was 7 with BMHA and now play in beer league as an adult
- Skiing and Snowboarding: I have been on the mountain since I was 8 skiing and snowboarding. I regularly visit Cypress mountain and enjoy both sports.
- Working out: I have been going to the gym regularly since high school
- Youtube: I have a Brawl Stars Youtube channel with over 100000 subscribers  
<https://www.youtube.com/c/BrandonBrawlStars>