

EDUCATION

SIMON FRASER UNIVERSITY

2019 - PRESENT

BSc, Computing Science
- Minor in Interactive Arts & Technology

SKILLS

LANGUAGES

C / C++
Java
HTML/CSS
React
Python
JavaScript

TOOLS

Git (GitHub)
VS Code
Android Studio
SQL
Eclipse
Arduino
Figma
Microsoft Office

- Word
- Excel
- Power Point

Adobe Creative Suite

- Illustrator
- Photoshop
- InDesign
- After Effects

OPERATING SYSTEMS

macOS
Linux
Windows

PROJECT EXPERIENCE

○ PARENT APP | FALL 2021

Introduction to Software Engineering (CMPT 276), SFU

https://github.com/djsiu/CMPT276_ParentApp

- Worked in a scrum-style team of 4 to complete an Android app using agile development over the course of six weeks.
- Implemented an add/edit family member feature with gallery and camera, along with a "take a breath" feature for meditative breathing.

○ OPEN COLLAB | SUMMER 2022

Web II: Server-Side Development (CMPT 372), SFU

<https://youtu.be/m17L0vCamAU>

- Designed and developed an open-source collaboration tool in a team of 3 using Angular, Express and PostgreSQL.
- Learned front-end and back-end development to create a Kanban style board over the course of one month.

○ INTERRUPTING CHICKEN | FEBRUARY 2021

Mountain Madness Hackathon, hosted by CSSS at SFU

<https://github.com/djsiu/MountainMadness2021>

- Awarded 2nd place out of ~30 projects at Mountain Madness.
- Collaborated with a group of 4 to ideate, design, and implement a typing game in 24 hours using React.

RELATED EXPERIENCE

○ PROGRAMMING INSTRUCTOR | APRIL 2021 - PRESENT

Code Ninjas North Vancouver

- Instruct children, ages 6 - 14, using a curriculum based around creating games in JavaScript, Roblox Studio, and Unity.
- Enhanced by ability to communicate computing topics.
- Lead engaging camps and parties with groups of ~12 kids.

○ WOMEN IN COMPUTING SCIENCE (WiCS) CO-PRESIDENT | PRESENT

Simon Fraser University

- Lead, manage, and coordinate the executive team of 12 people through clear communication.
- Orchestrate the logistics of the club and handle miscellaneous tasks, including helping with all exec positions.
- Correspond with SFU CS Department for funding and support.

○ COMPUTING SCIENCE PEER TUTOR | SUMMER 2020

Simon Fraser University

- Assisted first-year computing science students with coursework, primarily in Python, C, and C++.
- Reported the events of each session to supervisors.

ADDITIONAL EXPERIENCE

- **JUNIOR LIFEGUARD / INSTRUCTOR** | 2018 - 2020
City of Richmond
 - Instructed groups of 1 – 10 swimmers of all ages while achieving a fun, safe and educational lesson.
 - Worked together with team members to maintain a clean and safe pool.
 - Wrote detailed reports on each students' progress throughout each course.

RELEVANT COURSES

- **CMPT 276:** Introduction to Software Engineering | FALL 2021
 - Utilized Android Studio to create 2 applications.
 - Worked in a team for two months to learn about iteratively developing software in a professional environment.
- **CMPT 372:** Server-Side Development | SUMMER 2022
 - Examining backend web frameworks through designing, creating, implementing, and deploying using backend systems.
- **CMPT 354:** Database Systems | SUMMER 2022
 - Exploring the use of data models, and database systems through building SQL and PHP projects.
- **IAT 265:** Programming for Art and Design | FALL 2021
 - Created games in Java with the use of external libraries, object-oriented programming, and event-driven programming.
- **IAT 339:** Web Design and Development | SPRING 2022
 - Learned how to use HTML/CSS/JavaScript to create responsive and accessible websites.

INTERESTS

- Graphic design and photography
- Rock climbing / Bouldering
- Dragon boating
- Dance – ballet and contemporary
- Recreational swimming
- Downhill skiing