DENISE **SIU**

denises@sfu.ca
Richmond, BC
https://denisesiu.ca

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

o **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.

o **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.

o **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

o **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.

o **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.

o **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.

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ADDITIONAL EXPERIENCE

o **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

o **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.

o **CMPT 372:** Server-Side Development | SUMMER 2022

- Examining backend web frameworks through designing, creating, implementing, and deploying using backend systems.

o **CMPT 354:** Database Systems | SUMMER 2022

- Exploring the use of data models, and database systems through building SQL and PHP projects.

o **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.

o **IAT 339:** Web Design and Development | SPRING 2022

- Learned how to use HTML/CSS/JavaScript to create responsive and accessible websites.

INTERESTS

o Graphic design and photography

o Rock climbing / Bouldering

o Dragon boating

o Dance – ballet and contemporary

o Recreational swimming

o Downhill skiing