DENISE **SIU**

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Richmond, BC, Canada
linkedin.com/in/denise-siu/

EDUCATION

SIMON FRASER UNIVERSITY
2019 - PRESENT
BSc, Computing Science
Minor in Interactive Arts & Tech

SKILLS

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

TOOLS
Git (GitHub)
VS Code
Android Studio
Eclipse
Sublime
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
- Worked in a scrum-style team of four 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.
- *Project Link:* https://github.com/djsiu/CMPT276_ParentApp

o **FIGMENT** | SPRING 2021
Digital Games: Genre, Structure, Programming and Play (IAT 167), SFU
- Developed and designed a tile-based, multi-level game using Java and object-oriented programming.
- *Video Demo: https://youtu.be/S5vZ_7zvynA*
- *Project Link: https://github.com/djsiu/Figment*

o **INTURRUPTING CHICKEN** | FEBURARY 2021
Mountain Madness Hackathon, hosted by CSSS at SFU
- Awarded 2nd place out of ~30 projects at Mountain Madness Hackathon at SFU.
- Collaborated with a group of 4 to ideate, design, and implement a typing game in 24 hours using React.
- *Project Link: https://github.com/djsiu/MountainMadness2021*

RELATED EXPERIENCE

o **PROGRAMMING INSTRUCTOR** | APRIL 2021 - PRESENT
Code Ninjas North Vancouver
- Aid children, ages 7 – 14, through a curriculum based on creating games in JavaScript, Roblox Studio, and Unity.
- Deepen my understanding of programming topics through teaching.
- Lead engaging camps and parties with groups of ~12 kids.

o **WOMEN IN COMPUTING SCIENCE (WiCS) EXECUTIVE** | 2020 - PRESENT
Simon Fraser University
- Collaborate with executives to create content based on their needs.
- Organize and mentor at successful events with up to 18 participants.
- Curate and post promotions and content for the WiCS social medias.

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 2 months to learn about developing software in a professional environment.

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 | IN PROGRESS

- Learning to use current HTML/CSS practices by building and designing 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