

Alex Blackwell

<https://alexblackwell.ca/>

Email : alex.blackwell@shaw.ca

Mobile : 604-767-4611

Vancouver, B.C. Canada

EDUCATION

- **Simon Fraser University** Burnaby, B.C. Canada
Computing Science; GPA: 3.73 *September 2019 – present*

OVERVIEW

- **Dean's Honour Roll:** Simon Fraser University, Faculty of Applied Sciences
- **Simon Fraser University Open Scholarship:** Scholarship for academic achievement
- **Simon Fraser Hacking and Cybersecurity Club:** Member of the club since September 2019
- **System Hacks 2020 Hackathon Participant:** Participated in twelve-hour hackathon

PROGRAMMING SKILLS

- **Languages:** Python, Javascript, C, C++
- **Technologies:** HTML/CSS, GNU/Linux, Git, Unix command line, node.js, L^AT_EX

PERSONAL PROJECTS

- **Python Projects**
 - **Virtual Assistant:** A voice-driven bot using the Google Web Speech API with features such as conversational responses and setting timers.
 - **Photo Resizer:** Takes all the images in a folder and resizes them to a given width. These resized images are then exported to a new folder.
- **JavaScript Projects**
 - **Discord Bot:** Discord bot implemented in node.js using the Discord API. This bot includes features such as card games, and streaming music into a Discord server's voice channel using the youtube-dl (YTDL) API.
 - **QR-Code Converter Chrome Extension:** Takes pasted text content and converts it into a QR-code to be displayed in the extension's window.
- **C/C++ Projects**
 - **ADT/Data Structure Implementations:** In both C and C++, have implemented: linked lists, stacks, queues, and binary search trees.
 - **Sorting:** In both C and C++, have implemented: selection sort, insertion sort, mergesort, and quicksort.

WORK EXPERIENCE

- **Skate Instructor** *Winters of 2016 – 2019*
North Vancouver Recreation Commission, North Vancouver, B.C.
- **Park Ambassador** *Summers of 2016 – 2019*
Capilano Suspension Bridge Park, North Vancouver, B.C.