

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
- **Simon Fraser Competitive Programming Club:** Member of the club since August 2020
- **Google Kickstart Top 50 in Canada:** Google Kickstart Coding Competition 12/07/2020
- **System Hacks 2020 Hackathon Participant:** Participated in twelve-hour hackathon

PROGRAMMING SKILLS

- **Languages:** C++, Python, JavaScript, C
- **Technologies:** HTML/CSS, GNU/Linux, Git, Unix command line, React, Adobe Suite, 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.
 - **Copy Paste Anything:** Utilizing a Python GUI, a screen snip can be taken and, using computer vision, the text is extracted and copied to the clipboard.
- **JavaScript Projects**
 - **Merge Sort Visualizer:** Gives a visual representation of the merge sort algorithm by sorting columns of differing heights in ascending order.
 - **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**
 - **CSS Minifier:** Given a CSS file, the spaces, line breaks, and comments are removed and a new, minified file is created.
 - **Data Structure Implementations:** Implementations of: binary search tree, singly linked list, queue, red black binary tree, stack, double ended queue, and binary heap.

WORK EXPERIENCE

- **Freelance Website Developer** *Summer of 2020*
Fiverr, Remote
- **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.