

# Alex Blackwell

<https://alexblackwell.ca/>

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Mobile : 604-767-4611

Vancouver, B.C. Canada

## EDUCATION

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

## OVERVIEW

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- **Dean's Honour Roll:** Simon Fraser University, Faculty of Applied Sciences, Spring 2020
- **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 35 in Canada:** Google Kickstart Coding Competition 22/08/2020
- **System Hacks 2020 Hackathon Participant:** Participated in twelve-hour hackathon

## PROGRAMMING SKILLS

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- **Languages:** C++, Python, JavaScript, C
- **Technologies:** HTML/CSS, GNU/Linux, Git, Unix command line, React, Adobe Suite, L<sup>A</sup>T<sub>E</sub>X

## PERSONAL PROJECTS

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- **Python Projects**
  - **Copy Paste Anything** (*code link*): Utilizing a Python GUI, a screen snip can be taken and, using computer vision, the text is extracted and copied to the clipboard.
  - **Virtual Assistant** (*code link*): A voice-driven bot using the Google Web Speech API with features such as conversational responses and setting timers.
- **JavaScript Projects**
  - **Merge Sort Visualizer** (*code link*): Gives a visual representation of the merge sort algorithm by sorting columns of differing heights in ascending order.
  - **QR-Code Converter Chrome Extension** (*code link*): Takes pasted text content and converts it into a QR-code to be displayed in the extension's window.
- **C/C++ Projects**
  - **CSS Minifier** (*code link*): Given a CSS file, the spaces, line breaks, and comments are removed and a new, minified file is created.

## WORK EXPERIENCE

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- **Freelance Website Developer** *Summers of 2020*  
Developed websites using Bootstrap, JavaScript, HTML/CSS, and WordPress.  
*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.*