

# Harrison Wu

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## EDUCATION

### UNIVERSITY OF BRITISH COLUMBIA

Bachelor of Applied Science –

### Electrical Engineering

Expected May 2021

## SKILLS

### TECHNOLOGY

- C • HTML • CSS • Python
- Java • JavaScript • Ruby
- Verilog • ARM
- Git • Bash • Node.js
- PostgreSQL • Ruby on Rails

## COURSES

### UNDERGRADUATE

Functional Programming

Proofs and Logic

Data Structures

Algorithms

Linear Algebra and Applications

Statistics

Probability

## Personal Interests

- Playing squash
- Working out
- Computers and technology

## EXPERIENCE

### CODE THE CHANGE - MOONWALK APP

BACKEND DEVELOPER

Sep 2017 – April 2018 | Vancouver, BC

- Created an app to match walking groups based on destination, location and preferences
- Helped optimize matching algorithm to maintain  $O(n^2)$  searches for all pool sizes
- **Tech:** Node.js, PostgreSQL

### HALCYON – JUNIOR ACHIEVEMENT COMPANY

FRONTEND DEVELOPER

Oct 2015 - Mar 2016 | Calgary, AB

- Developed and maintained a user-interactive website to market products
- Collaborated with team members in improving functionality and design of the website
- **Tech:** JavaScript, HTML, CSS

## TECHNICAL PROJECTS

### TODO APP

Dec 2018

- Designed a program where users are able to edit, delete and store todo lists
- Modified program so each todo could be marked as complete and carry one optional file attachment
- **Tech:** Node.js, JavaScript, MongoDB

### BLOG WEBSITE

Aug 2018

- Created a website where users can sign up to post articles
- The website displays and stores users and their articles
- Implemented admin functionality able to change and delete any articles or users
- Added login authentication for users in terms of editing or deleting their articles
- **Tech:** Ruby, Ruby on Rails

### PERSONAL WEBSITE

Oct 2017

- Developed a responsive web layout to display information
- **Tech:** JavaScript, CSS, HTML, w3, Sublime Text

### Fill-In-The-Blanks Quiz

Aug 2017

- Designed an interactive vocabulary quiz
- Added an options menu containing different levels of difficulty
- **Tech:** Python