

Corbyn Kwan

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EDUCATION

University of British Columbia

BSc in Computer Science 3.6GPA

Vancouver, BC

Sep. 2018 – May 2022

TECHNICAL SKILLS

Languages: JavaScript, HTML/CSS, Java, Ruby, C/C++

Frameworks: React.js, Ruby On Rails, Node.js, Express.js, Mocha/Chai, Karma, JUnit

EXPERIENCE

Teaching Assistant

Sep 2020 – Current

University of British Columbia

Vancouver, BC

- I am a Teaching Assistant of **CPSC210**, a course that teaches students software design, computational models, data structures, debugging, and testing in **Java**.
- Hosting office hours 2 hours a week where students can come and request assistance from me.
- Assisting students 2 hours a week in lab exercises written in **Java**.

Software Engineer Intern

Apr 2020 – Sep 2020

Credit Hero

Hong Kong

- Created a popup that uses **Microsoft Azure's Javascript Text to Speech SDK** to read contracts to the user, and a playback display showing the remaining time left.
- Implemented an active job that sent automated SMS messages to users using the **Twilio** Ruby helper library.
- Used **AWS** to store data, and used **Dataiku's Data Science Studio (DSS)** to track on-going new datapoint for model optimisation of the default rate.
- Reformatted **Javascript** code to use the **Ruby On Rails** infrastructure instead, improving loading speed by approximately 25%.
- Reformatted pages using **Flexbox** and **CSS**, allowing the pages to be much more compatible with different screen resolutions.

Teaching Assistant

Jan 2019 – May 2019

University of British Columbia

Kelowna, BC

- Was a Teaching Assistant of **COSC111**, a course that taught students the coding fundamentals in **Java**.
- Marked assignments of students, providing feedback on how to improve their coding practices.
- Assisted students 2 hours a week in lab exercises written in **Java**.

PROJECTS AND AWARDS

Data Query System | TypeScript, Node.js, React.js

Sep 2020 – Present

- Building a web application using **TypeScript** and **React** that parses datasets about course information in UBC, and returns a list of courses that meet the user's criteria.
- Developed an automated test suite using **Javascript** with **Mocha** and **Chai**.
- Read and edited the dataset using **JSZip**.

Fruit Shop Website | React.js, Firebase |

Aug 2020 – Present

- Building a website in **React** and **Firebase** that allows users to buy fruits, and create an account.
- Stored all account, product, and order information alongside their verification processes in **Firebase**.
- Added password encryption using an **ASCII Shifter** to add better security to the website.

Calorie Tracker | Java |

Sep 2019 – Dec 2019

- Built a program using **Java** that calculates the required macro nutrients for users based on their diet type, weight, and food they have eaten so far in the day.
- Created a Food Summary feature that parses the web and gives a macro nutrient summary of the inputted food.
- Developed an automated test suite using **JUnit** that achieved 100% line coverage.
- Implemented the GUI using **JSwing**.

Portfolio | React.js, Node.js, Express.js |

Sep 2020

- Built a portfolio where people can see my projects, and information about me.
- Created a REST API using **Express.js** which sends a message from the contactor to me