Corbyn Kwan

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EDUCATION

University of British Columbia   Vancouver, BC
BSc in Computer Science 3.6GPA   *Sep. 2018 – May 2022*

TECHNICAL SKILLS

Languages: JavaScript, HTML/CSS, Java, Ruby, C/C++, SQL
Technologies: React.js, React Native, Ruby On Rails, Node.js, Express.js, PostgreSQL, Mocha/Chai, Karma, JUnit

EXPERIENCE

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 active jobs that sent automated SMS messages to users using **Ruby On Rails**.
- Used **AWS** to store data, and used **Dataiku's Data Science Studio (DSS)** to track spending habits of users to train the model optimisation of the default rate.
- Reformatted **Javascript** code to **Ruby On Rails** thus switching client-side web page rendering to the server, improving loading speed of webpages by 50%.
- Fixed bugs associated with page responsiveness on mobile devices by reformatting **CSS** layouts using **Flexbox**.

PROJECTS

Logistics System | *React Native, React, Node.js, Express.js, PostgreSQL, VBA* | Dec 2020 - Current
- Building a logistics systems to automate excel spreadsheets and order receipts. It involves a mobile app for the client's staff to enter how much goods they are buying, and their sunk costs for the day
- Building an admin dashboard for staff to edit orders, add users, and edit order receipts.

Data Query System | *TypeScript, Node.js, HTML/CSS* | Sep 2020 – Present
- Built a web application using **TypeScript** and **HTML/CSS** that parses datasets about course information in UBC, and returns a set of courses that meet the user's criteria (i.e average > 80%)
- Developed an automated test suite for the front-end and back-end using **Mocha**, **Chai**, and **Karma**.
- Created a **REST API** that can parse a query from the web application, add a dataset, and remove a dataset

Find Your Neighbourhood | *React.js, Node.js, Express.js, Python, PostgreSQL* | January 2021
- Built a full stack web application that recommends a neighbourhood to live in Vancouver based on how much you value price, safety, restaurants, and transportation.
- Built a responsive front-end using **React.js**, and **Redux**
- Built a **web-scrapper** and **PDF parser** as well as connected to various **APIs** to gather data on price, safety, restaurant quality, and ease of transportation, and stored this data in a **PostgreSQL** database.
- Deployed using **Google Cloud Platform**, and **Heroku**

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 an message from the messenger to me

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.