

Yang(Max) Song

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EXPERIENCE

Huan's Lab at UBC Chemistry

Vancouver, Canada

May 2020 - Present

Full-Stack Software Engineer

- Built a user-friendly web application with **Javascript** and **Python** for researchers in the lab to better visualize their reaction results. The application has been used by several professionals in the field.
- Designed and implemented back-end server for the website with **Flask** framework.
- Designed and implemented front-end interface with **React** and **Redux**.
- Designed **REST APIs** and implemented **HTTP** requests with **Axios** to send user commands and receive responses.
- Improving and beautifying the overall style of the website with **Material UI** and **React Bootstrap**.

NwPlus Hackthon

Vancouver, Canada

Jan 2020

- Admitted and participated west coast's largest hackthon as a team of four.
- Worked front end with **React** and **Redux** for the project.
- Received positive feedbacks from teammates for excellent **communication skills**.

EDUCATION

University of British Columbia

Bachelor in Computer Science

Sept 2017 - May 2021

University of British Columbia

Master in Management

Sept 2019 - Dec 2021

PROJECTS

UBC InsightFacade (Course Project)

- Build a web application to allow user to find all the courses offers at UBC Vancouver campus with **Typescript** and **Node.js**. Users can set multiple filters to obtain the results they desire.
- Write integration tests with **Mocha** and **Chai** to test the application's ability to handle different queries from users.

Car-rent application

- Launched a web application for car rental company "Super Rent" and deployed to **AWS** to leverage cloud services, reducing server costs by 80%.
- Developed a Single Page Application with **React** and **Material UI** to allow customers to reserve and pay, and allow staff to update inventory, manage transactions and visualize sales statistics.
- Implemented a **RESTful** back end with **Javascript**, **MySQL**, which served over 200 customers with no downtime for 6 months while storing 100 listings and 2000 transactions.

SKILLS

Languages: JavaScript (ES6), TypeScript, Python, HTML5, CSS3

Front End: React, Redux

Back End: Node.js, Express.js, REST, SQL, MySQL, MongoDB, Flask

Testing: Postman, Mocha, Chai, Karma

CI/CD: Git