



Wai Hang (Amy) Yung

YEAR 4, COMPUTER SCIENCE STUDENT

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Education

University of British Columbia

Bachelor of Computer Science – Co-op program

Vancouver, BC

September 2018 - May 2022 [Expected]

University of British Columbia

Bachelor of Arts – Major in Mathematics

Vancouver, BC

September 2013 - May 2018

Technical Skills

Programming: Java, C++, C, TypeScript

Tools: Docker, Kubernetes, AWS, Sketch

Web: HTML, CSS, JavaScript, EJS, React.js, Node.js, Express.js, D3.js

Testing: Mocha, Chai, JUnit

Database: IBM Cloudant, MongoDB, Firebase

Work Experience

IBM Canada Ltd.

Software Developer Intern

Ottawa, ON

January 2020 – August 2020

- Assisted in the design and development of the Accelerator Catalog's front-end search page
- Developed a tool for users to preview their accelerators before submitting to the database
- Built the admin console for real-time addition/modification for accelerators in the database
- Configured and deployed the application using Kubernetes, Helm and Docker on IBM Cloud

Technical Projects

World Development Indicators [Academic Project]

March 2021 – April 2021

- Worked in a team of three to develop a data visualization that allows users to compare different development indicators of up to five countries
- Implemented a snapping brush that resizes to the nearest year when users select a range of years
- Implemented an interactive line chart where data points are tracked and displayed as users move the mouse

Skills: JavaScript, D3.js, HTML, CSS

HSBC Email Service Campaign [Academic Project]

January 2021 – April 2021

- Worked in a team of eight to develop a full-stack web application using AWS that allows users to upload an email template (word document) and select it to send to one recipient or multiple recipients by uploading a CSV/Excel file
- Designed mock-ups based on requirements using Sketch
- Implemented various frontend components such as the view template modal and csv parsing modal that are responsive
- Implemented a word document and csv/excel file parser

Skills: TypeScript, React-Bootstrap, React.js, Node.js, AWS (SES, S3, Amplify, Cognito, DynamoDB), CSS

Eat Green [nwHacks 2021]

January 2021

- Worked in a team of four to develop a simple web app that helps people quickly calculate their needed daily protein intake from meat alternatives
- Implemented front-end pages with React.js and Material-UI
- Implemented calculation functions to equate protein for meat alternatives and meat dishes
- Setup Firebase and deployed web app using Firebase hosting

Skills: JavaScript, React.js, CSS, HTML, Material-UI, Firebase

InsightUBC [Academic Project]

September 2020 – November 2020

- Worked in a team of two to develop a full-stack RESTful web application that queries stored historical data from courses and rooms at UBC
- Implemented a RESTful web server using TypeScript (backend) and Bootstrap (frontend)
- Implemented a domain specific language query builder that performs valid query requests
- Implemented a file parser for JSON and HTML files

Skills: TypeScript, JavaScript, HTML, Restify, Node.js, Express.js, Yarn, Mocha, Chai, Black-box testing

Messenger Web Application [Academic Project]

September 2020 – December 2020

- Implemented the GUI using HTML and CSS
- Implemented a dynamically rendering client-side (single-page application) and server
- Set up the MongoDB database and created REST endpoints for reading from the database
- Implemented authentication system and secured application from scripting attacks

Skills: JavaScript, CSS, HTML, MongoDB, Node.js, Express.js, WebSocket.io