Nancy Jiang

COMPUTER ENGINEERING · UNIVERSITY OF BRITISH COLUMBIA

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Education

University of British Columbia *Expected Graduation: May 2020*
BASC IN COMPUTER ENGINEERING
- Recipient of the Trek Excellence Scholarship, aw0arded annually to the top 5% of students in each faculty
- Relevant Coursework: Software Construction, Algorithms and Data Structures, Microcomputers, Operating Systems, Linear Algebra, Multivariable Calculus

Skills

Programming Languages Java, C++, C, HTML/CSS, JavaScript, LaTeX
Web Development React, Node.js, Amazon Web Services (AWS)
Other Git, Vim, Android Studio, Raspberry Pi, Arduino

Experience

AbeBooks, an Amazon Company *Java, JavaScript, React, AWS*
SOFTWARE DEVELOPMENT ENGINEER INTERN *May - September 2018*
- Implemented a loading cache to store user credentials, reducing Purchase API runtime
- Built a responsive bulk-order web application using a React frontend running on a Node.js server
- Wrote a serverless AWS backend to service the web app using API Gateway and custom AWS Lambda functions written in Java

University of British Columbia *C*
TEACHING ASSISTANT *September - December 2017*
- Assisted during lectures of 150+ students, by monitoring and guiding student progress on activity sheets
- Led a weekly lab section of 30 students

Code the Change UBC *Node.js, Postgres, React Native*
SOFTWARE DEVELOPER *April 2017 - May 2018*
- Code The Change is a student-run organization that provides free software for non-profits
- Developed a Node.js and PostgreSQL backend for an app that helps UBC students travel in groups at night
- Built the UI of a mobile app using React Native to help YES!Vancouver with outreach

Projects

Hykr *Java, Android Studio*
A SOCIAL MEDIA HIKING APP BUILT DURING NWHACKS 2018 *January 2018*
- Built the UI of the app, aiming to provide a similar experience to Google apps using Material Design
- Integrated JSON data obtained from a public API to provide hiking route data
- Used Google Maps' API to display user's current location

Disaster Response Robot *Python, JavaScript*
GROUP PROJECT USING A RASPBERRY PI *December 2017*
- Programmed a Raspberry Pi controlled robot to avoid obstacles and take photos when a face is detected (using OpenCV)
- Built a web app to display photos and control robot with a virtual joystick
- Used a wifi module for communication between server and robot and a camera module for photo streaming

Yelp Database *Java, ANTLR*
A DATABASE IMPLEMENTATION COURSE PROJECT *December 2017*
- Implemented a database using Yelp datasets (JSON files) of restaurants, users, and reviews
- Used a multi-threaded server to support structured queries, which were parsed using ANTLR

Extracurricular

UBC Electrical and Computer Engineering Student Society (ECESS) *May 2018 - Present*
PRESIDENT
- Enrich our 1100+ ECE students' academic, social, and professional experience through event organization and academic advocacy