

Wren Liang

UNIVERSITY OF BRITISH COLUMBIA · COMPUTER ENGINEERING MAJOR · IOS DEVELOPER

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Skills

Programming	Swift, Objective-C, Java, HTML, CSS, JavaScript, Assembly
Frameworks/Tools	Git, UIKit, CoreBluetooth, Gradle, JUnit, ANTLR, Bootstrap
Languages	Fluent in English and Mandarin, elementary French and Cantonese

Projects & Design Teams

MLH Local Hack Day - mentr

UBC, Vancouver, BC, Canada

IOS DEVELOPER

Nov. 30th 2019

- Built a networking app to connect high school students with university level mentors
 - Placed 6th out of 55 teams
- Engineered a beautiful Swift iOS application with custom swipe animations, REST API network communications, and complete screen reader functionality in less than 12 hours
- Deployed a fully functional back-end on AmazonAWS built using Node.js and Express

UBC LaunchPad Software Engineering Team

UBC, Vancouver, BC, Canada

PRIMARY IOS DEVELOPER

Sept. 2019 - PRESENT

- Developing a full-stack grocery management application to mitigate food waste in Canada
 - Co-leading development of our front-end iOS application in Swift
 - Collaborating with back-end developers to build a Microservices architecture back-end to handle user data
 - Experience working closely with UI/UX designers to build desired features in Agile sprints

Bluetooth Arduino Car

UBC, Vancouver, BC, Canada

SOFTWARE DEVELOPER

Jan. 2019 - May 2019

- Created an iPhone application using Swift and CoreBluetooth to remotely control Arduino via BLE data transfer
- Programmed the Arduino board to maneuver the vehicle according to incoming BLE data stream

Work Experience

Village Brewery

Calgary, AB, Canada

PACKAGING & QUALITY CONTROL

Summer 2019

- Worked in the Packaging team to bottle, box, and palletize beer
- Inspected bottles after the packing process to maintain brand quality and customer trust before boxing and shipping
- Ensured a clean and safe working environment accordant to Canada's Food and Drugs Act and Regulations

Mount Royal University Conservatory

Calgary, AB, Canada

LEAD ORCHESTRA SUPERVISOR

Sept. 2015 - June 2018

- Lead a team of students to supervise juvenile orchestras during concerts
- Orchestrated backstage logistics during performances to ensure a smooth and timely transition between groups
- Tuned each musician's instrument before going on stage

Education

University of British Columbia - Vancouver

Vancouver, BC, Canada

B.A.Sc. IN COMPUTER ENGINEERING WITH CO-OP

Sept. 2018 - PRESENT

- Presidential Scholars Award Recipient
- UBC Cumulative GPA: 4.0

Extracurricular

Viola

Calgary, AB & Vancouver, BC

Sept. 2013- PRESENT

- Member of the UBC Symphony Orchestra 2018-2019 Season
- Played in the Calgary Youth Orchestra from 2015-2018
- Won 4 Gold Certificates for Viola Solos at the Calgary Performing Arts Festival