Wren **Liang**

UNIVERSITY OF BRITISH COLUMBIA · COMPUTER ENGINEERING MAJOR · iOS DEVELOPER

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Skills

Programming	Swift, Java, HTML/CSS, JavaScript, C++, C, Assembly
Frameworks	UIKit, SpriteKit, React.js, Bootstrap, Node.js
Tools	Git, Xcode, IntelliJ IDEA, VS Code, Postman
Languages	Fluent in English and Mandarin, elementary French and Cantonese

Projects & Design Teams

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
  - Experience collaborating with UI/UX designers to build desired features in Agile sprints
  - Working with back-end developers to build a Microservices architecture back-end using Node.js, Express, SQL, and Docker

nwHacks 2020 - *Sprouts* *UBC, Vancouver, BC, Canada*
iOS DEVELOPER *Jan. 12th, 2020*
- Built an aesthetic gardening reminders app to teach users how to care for their plants, and to promote a healthy way to deal with stress and anxiety
- Implemented a native Swift iOS application with custom animations, REST API networking, and screen reader functionality in 24 hours
- Deployed a functioning back-end on AmazonAWS EC2 built using Node.js, Express, and MongoDB Atlas

Gray-Liang Investment Fund *Calgary, AB, Canada*
CO-FOUNDER & MANAGER *Aug. 2018 - PRESENT*
- Founded a mutual fund with an initial investment of 30,000 CAD from family and friends
- Determined stock trades and authored quarterly financial reports to investors

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.ASc. IN COMPUTER ENGINEERING WITH CO-OP *Sept. 2018 - PRESENT*
- Presidential Scholars Award Recipient
- UBC Cumulative GPA: 3.95 / 85%

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