

Wren Liang

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SKILLS

Programming (C/C++, C#, Java, Python, JavaScript, Swift) | **DevOps** (Git, Linux, Docker, AWS, TravisCI)

Technologies (HTML/CSS, React, AngularJS, Node.js, .NET Core, SQL Server, MySQL)

EDUCATION

University of British Columbia

Sep 2018 – May 2023

B.ASc. in Computer Engineering with Co-op

- Cumulative GPA: 85% or 3.95/4.33
- Presidential Scholars Award Recipient, Dean's Honour List
- Relevant Courses: Software Engineering, Operating Systems, Algorithms and Data Structures, Hardware Design

EXPERIENCE

Orbis Investments

Software Developer Intern (Portfolio Services)

Jan 2021 – present | Vancouver, Canada

- Developing **full-stack web** apps for fund portfolio management using **AngularJS**, **.NET Core**, and **AWS EC2**

Software Developer Intern (Client Services)

May 2020 – Aug 2020 | Vancouver, Canada

- Developed production-level **REST APIs** for client reporting using **C#**, **.NET**, and **SQL Server**
- Redesigned monolith security program into **microservices**, decreasing monthly downtime by **>50%** and improving cloud scalability
- Orchestrated a **SQL** schema upgrade, migrating **20 million+ rows** into more efficient tables and procedures

UBC Launch Pad


Technical Lead

Sep 2020 – present | Vancouver, Canada

- Managed team of 10 developers to engineer a bill-splitting app using **Swift**, **Node.js**, **Docker**, and **MySQL**
- Spearheaded project by organizing meetings, planning sprints, and delegating tasks, successfully delivering MVP in 4 months

Software Developer (iOS)

Sep 2019 – Apr 2020 | Vancouver, Canada

- Coded a grocery tracking **iOS app**  with recipe suggestions and expiry reminders using **Swift** and **MongoDB**
- Collaborated with **UI/UX** designers to code accurate prototypes from **Figma wireframes**

Village Brewery

Jun 2019 – Aug 2019 | Calgary, Canada

Packaging Technician

- Worked with 3 other technicians to bottle, package, and palletize beer, **shipping 800+ bottles** per day

Mount Royal University Conservatory

Sep 2015 – May 2018 | Calgary, Canada

Event Organizer

- Organized a group of music students to supervise MRU Youth Orchestra concerts
- Managed backstage logistics by coordinating players and planning transitions

PROJECTS

CueTips (nwHacks 2021)

Jan 2021

- Developed a **web app** at nwHacks 2021 using **React**, **Node.js**, and **Firebase** that automatically transforms your notes (in .DOCX format) into online study flashcards

Unify (iOS App)

Sep 2020

- Co-founded a social networking app for UBC students with a **5-star rating** on the **App Store**
- Built a web scraper to collect data from 6000+ UBC courses using **Python**
- Implemented a custom matching API using **Node.js**, **Express.js**, and **MySQL**
- Containerized API and deployed to the cloud using **Docker**, **AWS EC2**, **RDS**, **S3**, and **Route 53**

Composer (WWDC20)

Jun 2020

- Created a music composition iOS app for the **WWDC20 Student Challenge** using **Swift**, **UIKit**, **AVFoundation**, and sound samples recorded from my viola

EXTRACURRICULAR

Viola

Played in the UBC Symphony Orchestra and the Calgary Youth Orchestra

Badminton

Competed in Division I Men's Singles, and won the Western Redhawks 2018 Most Improved Player of the Year award