Christina Lu

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Education

University of Calgary Calgary AB, Canada
B.Sc. in Software Engineering | 3.54/4.0 GPA *May 2022*

- Relevant Courses: Object-Oriented Design, Databases, Software Architecture, Web-Based Systems, Human-Computer Interaction

Work Experience

Jori International/Open Border Technologies Calgary AB, Canada
Student Software Developer *Jul. 2020 - Sept 2021*

- Assisted in the development of a web-based freight forwarding solution using Angular, C#, and MongoDB.
- Designed and built a UI for users to register for an account with Open Border Shipping and provide documents required for freight forwarding, digitizing a complex paperwork process.
- Integrated shipment quoting and tracking APIs of freight carriers to provide customers with real-time quotes and tracking details.
- Created a Shopify application for businesses to manage logistical data by integrating with CargoWise APIs to get accurate shipping quotes for orders with products in Jori's warehouse.

Projects

Inky.io | *https://github.com/justinf34/Inky.io*
React.js, Node.js, Socket.io, and Firebase

- A web-based multiplayer Pictionary game where users can play with friends in real-time online.
- Led frontend development in a team of 6 to render the home page, game components, and admin page using p5.js and React Bootstrap.

UniversiTea | *https://github.com/oscarwong67/UniversiTea*
Vue 2, Node.js, Hapi.js, and MySQL.

- A social media platform for university students to post messages and media, anonymously or not, to dedicated school forums.
- Implements MVC and Microservices to reduce code base organizational complexity, as well as Event Sourcing and CQRS architectures to manage data.
- Led frontend development to render components in the sign up process, posts, and administrator view

WestJet Flight Recommendation System | *WIP private repo*
Vue 3, Storybook for Vue, and Hapi.js

- Software engineering capstone project sponsored by WestJet and partnered with the University of Calgary
- A flight recommendation system and set of widgets using WestJet commercial API's, intended for future release.
- Lead frontend developer responsible for delegating tasks and creating components for customers to visualize their flight history and recommendations

Skills

Programming Languages JavaScript, Typescript, Java, C/C++, C#, HTML, CSS, Python
Frameworks and Technologies React, Vue, Angular, MongoDB, Node.js

Extracurricular

Schulich Ignite Calgary AB, Canada
Mentor *Sept 2019 – Apr 2020*

- Assisted prospective students in learning how to use Processing, a language designed for learning how to code, as an introduction to programming. Using Java for the first few months, then switched to Python.
- Helped students individually create simple games in processing as an end of program project.

Robogals Calgary AB, Canada
Volunteer *Jan 2018 – Apr 2018*

- Facilitated classroom workshops to encourage students ages 8-12 to engage in STEM activities.
- Empower young girls to pursue careers in STEM