

# Celine (Zijing) Liu

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## EDUCATION

**University of British Columbia**, Master of Library and Information Studies. *Sept 2021 – May 2024 (expected)*

- Courses: Algorithm and Data Structure, Software Construction, Relational Database, Models of Computation, HCI

**Huazhong University of Science and Technology**, BE in Urban Planning (3.94 / 4.0 GPA) *Sept 2015 – Jun 2020*

## TECHNICAL SKILLS

**Front-end:** JavaScript, TypeScript, HTML, CSS, Angular, React.js, React Native, Redux **Language:** Java, C++, Python

**Back-end:** Node.js, PHP, MySQL, MongoDB. **Agile development:** Git **UX design:** Design thinking, Figma

## SELECTED PROJECTS

**Inventory & logistic Tracking** | A Full-stack Web App | Course project, team of 3 | [GitHub](#)

- Adopted an agile approach to collaboratively develop an inventory tracking system that enables users to input data, request information from the database, and view results on the front end.
- Created a robust relational database using **MySQL** and authored 50% of the SQL statements. Implemented essential features such as package tracing, product searching and quantity checking using **PHP** and **HTML**.

**“When to Laundry”** | A Full-stack Desktop App | Course Project, individual | [GitHub](#)

- Developed a laundry booking app for UBC student residents. It includes an overview of available slots, enables users to create, reschedule, or cancel bookings, and save and read booking information locally.
- Applied **OOD** principles in **Java**, created the GUI with **Java Swing**, utilized **JSON** database, tested all functions with **JUnit tests**, and used **Git** and **GitHub** for version control.

**Visual Book List** | Front-end Web Application | Personal project | [GitHub](#)

- Built a dynamic book list web app. Implemented features such as adding and deleting books, editing existing book entries, using **React.js**, **HTML**, **Tailwind CSS**, **JavaScript**, **Unsplash image API**, **pro-types**, **react-icons** etc.

## PROFESSIONAL EXPERIENCE

**Teaching Assistant** | **UBC CPSC 110** Computation, Programs, and Programming | Vancouver *Sep 2022 – Dec 2022*

- Held weekly office hours and taught weekly labs. Guided students to debug their code and help them comprehend the course materials (systematic program design methodology) if not fully absorbed in class.

**UX Designer** | **Campus Nutrition** | Vancouver *Feb 2022 – Aug 2022*

- Researched user needs, crafted responsive web and mobile interface in **Figma** for the customer review features on Campus Nutrition websites. Improved the prototype with feedback gathered from usability testing.

**Research Assistant Intern** | **Visual Analytics Lab, OCAD University** | Toronto *Jul 2019 – Oct 2019*

- Reviewed and summarized 20+ literature on intelligent transportation visualization. Developed a taxonomy of users, data types, and visualization tasks to describe the broad-scale application of transit visualization.

**Project Management Intern** | **SenseTime** | Shanghai *April 2021 - July 2021*

- Promoted effective communication and collaboration in a cross-functional team, including developers, architects, testing developers, and product personnel. Led the team to deliver an OCR product and address issues on time.

**Project Designer Intern** | **MetroData** | Shanghai *Aug 2020 - Nov 2021*

- Built smart city products using a cooperate tool DataMap and Figma. Crafted Product requirement documents and worked closely with developers for product implementation.

## PUBLICATIONS

Bowes, J., ... **Zijing, L.**, et al. (2021, July). Visualization of Zero Energy Bus Implementation Through Effective Computer Interaction. In *International Conference on Human-Computer Interaction* (pp. 19-38). Springer, Cham.  
[https://doi.org/10.1007/978-3-030-78358-7\\_2](https://doi.org/10.1007/978-3-030-78358-7_2)