# ZHONGCHI LI

z977li@uwaterloo.ca

linkedin.com/in/lizhongchi

github.com/ZhongchiLeoLi

zhongchileoli.me

## SKILLS

| Technologies | Languages | Design |
|---|---|---|
| React | C++ | Figma |
| Node.js | JavaScript | Framer |
| Express.js | Python | Photoshop |
| jQuery | HTML/CSS | Wix |
| MongoDB | | |
| Firebase | | |
| Docker | | |
| Git | | |
| Linux | | |

## EDUCATION

**University of Waterloo**
**Bachelor of Computer Science**
SEP 2019 - APR 2024

**Relevant Courses:**
User Interface, Algorithms, Numerical Computation, Operating Systems, Object-Oriented Software Development

## CERTIFICATIONS

Learn React Course Certification
codecademy

The Web Developer Bootcamp 2021
Udemy

Responsive Web Design
freeCodeCamp

JavaScript Algorithms and Data Structures
freeCodeCamp

Scientific Computing with Python
freeCodeCamp

## INTERESTS

Drawing, cooking, fashion designing, building Gundam plastic model kits

## EXPERIENCE

**Web Developer** — Environment and Climate Change Canada
JAN 2021 - APR 2021

Refactored data aggregation process to parse climate variables, resulting in improved server-side security and 30% reduction in client memory usage

Automated report generation using **NumPy** and **Pandas** to aggregate web traffic data, saving 10+ hours of manual analysis weekly

**Lead Designer** — Joya Travel & Lifestyle
MAY 2020 - AUG 2020

Coordinated with managers, designers, and developers to establish effective branding guidelines through reviews and design critiques

Led the development of 8 website and app prototypes on **Figma** and **Framer**, informed by 5+ user interviews to better understand product pain points

## PROJECTS

**Chatter** — Real-time chat application

Designed and developed a **React** chat application with 15+ functional components, powered by Chat Engine and deployed using Vercel

Achieved fast front-end routing between pages with react-router-dom and 2 reusable custom hooks to easily determine user login status

Implemented user authentication and data storage using **Firebase**

**Paperboy** — Summarized news website

Designed and built a fully responsive and accessible front-end using **Node.js**, **Express.js**, **EJS Templating Engine**, **Axios**, and **Bootstrap**

Discussed endpoint organization with back-end developer to optimize user experience for features such as search and article generation

Implemented toggleable side menu bar, horizontal infinite scrolling, and caching of user scroll positions using **jQuery** and **JavaScript**

Aided project deployment by containerizing frontend using **Docker**

**Campsters** — Customer reviews site for campgrounds

Developed a web app with RESTful APIs to perform CRUD functionalities for campground data using **Node.js**, **Express.js**, **MongoDB**, and **EJS**

Utilized third-party APIs such as Unsplash, Mapbox, and Cloudinary for fetching related images, map interface, and cloud storage

Implemented user authentication, authorization using Passport.js and Helmet.js

**Hack the North Frontend Challenge** — Online events page

Built a responsive website to display events for both authorized hackers and the general public using **Node.js**, **Express.js**, **MongoDB**, and **Express-session**

**Personal Portfolio Website**

Built a responsive static site using **HTML**, **CSS**, and **JavaScript** to showcase my personal projects and interests, hosted by GitHub Pages