

# ZHONGCHI LI



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[zhongchileoli.me](https://zhongchileoli.me)

## SKILLS

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

## 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

Built upon 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

Developed **custom hooks** to easily determine user login status and achieve fast front-end routing between pages with react-router-dom

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**

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

Enabled frictionless browsing experience with 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**

Leveraged 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