

ZHONGCHI LI

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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 reduced client memory usage by 30%

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

SKILLS

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

EDUCATION

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

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

CERTIFICATIONS

Learn React Course Certificate
[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

PROJECTS

Chatter — Real-time chat application

Designed and developed a React chat application with 19 **Functional Components**, 3 **Custom Hooks**, and one **Context**, powered by Chat Engine

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

Paperboy — Summarized news website

Designed and built a fully responsive and accessible frontend using **Node**, **Express**, **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**, **Express**, **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**, **Express**, **MongoDB**, **Express-session**, and **EJS**

Personal Portfolio Website

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