ZHONGCHI LI

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SKILLS

Technologies	Languages	Design
React.js	JavaScript	Figma
Node.js	TypeScript	Framer
Express.js	HTML/CSS	Photoshop
jQuery	C++	Wix
MongoDB	Python	
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 Design
Building Gundam

EXPERIENCE

Web Developer — Environment and Climate Change Canada
Jan 2021 - Apr 2021

Abstracted core client-side functionality to the server-side, 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

PROJECT

Chatter — Real-time chat application

Designed and developed a **React** chat application with 15+ functional components, powered by chatengine.io 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**, auth form functionality using **Formik**, and form validation using **Yup**

Paperboy — Summarized news website

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

Shoppies — Movie nomination page

Built a **React** web app for users to search and save their favourite movies for nomination using **TypeScript** and **Chakra UI**, deployed using **Netlify**

Hack the North Front-end Project — 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**