

# 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

## PROJECTS

**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 to allow users to search and save their favourite films 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**