Zhongchi Li

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SKILLS

Languages: JavaScript, TypeScript, Python, Java, C++, HTML/CSS, GraphQL, SQL
Frameworks/Tools: React.js, Next.js, Express.js, Node.js, PostgreSQL, MongoDB, Firebase, Docker, Git, Figma

EDUCATION

University of Waterloo   Waterloo, Ontario
Bachelor of Computer Science   *Sep 2019 – Apr 2024*
- Coursework: Algorithms, Software Design and Architectures, OOP, Distributed Systems, User Interface

EXPERIENCE

On Deck   San Francisco, CA
Fullstack Software Engineer Intern   *May 2022 - Aug 2022*
- Built and launched an online Demo Day platform, engaged over **630 investors** and **30 companies** in 7 days
- Regulated server data transfer and client UI using GraphQL, TypeScript, achieving data confidentiality
- Migrated styling from Tailwind to CSS modules, enforcing code consistency and **reducing build time by 20%**
- Enhanced payment security by writing Jest unit tests for core functions

Hack the North   Waterloo, ON
Frontend Software Engineer   *Mar 2022 - Present*
- Built the main website for Canada's largest student-run hackathon with React and Tailwind CSS, hosting **2,000+ guests** attending globally and attracting an average of **20,000+ monthly visitors**
- Developed and launched the hacker application website using TypeScript, Next.js, Apollo GraphQL, serving **16,000+ visitors** from **55+ countries** and receiving **4,700+ applications**
- Built a QR code scanner tool that is used for attendee registration, event check-ins, sponsor networking, and hacker networking, handled **20,000+ scans** in 36 hours with **7,000+ networking scans**

Formlabs   Boston, MA
Frontend Software Engineer Intern   *Sep 2021 - Dec 2021*
- Led the web launch of **2 new products** by coordinating closely with Sales, Design, and Marketing teams
- Developed a new product checkout flow using Next.js, TypeScript, **increasing sales opportunities by 70%**
- Built **5+ dynamic React components** on top of Django CMS with TypeScript and Python
- Improved accessibility and responsiveness on core components library, **achieving 98+ accessibility score**

Environment and Climate Change Canada   Markham, ON
Software Engineer Intern   *Jan 2021 - Apr 2021*
- Abstracted core client-side functionality to server-side, improved security, **reduced 30% client memory** usage
- Automated report generation using NumPy and Pandas to aggregate web traffic, **reduced 90% analysis time**

Joya Travel & Lifestyle   Kitchener, ON
Lead Designer   *May 2020 - Aug 2020*
- Hosted design reviews/critiques with managers, designers, developers to establish effective branding guidelines
- Led the development of **8 website/app prototypes** on Figma and Framer, informed by 5+ user interviews

PROJECTS

Chatter — Real-time Chat Application
- Designed and developed a React application with functional components and hooks, deployed using Vercel
- Implemented user authentication and data storage using Firebase
- Implemented auth form functionality and validation with Formik, Yup

Paperboy — Summarized News Website
- Designed and built a fully responsive and accessible front-end using Node.js, Express.js, EJS, and Axios
- Implemented infinite scrolling and caching of scroll positions using jQuery and JavaScript
- Architected endpoint organization to optimize user experience for features such as search and article generation