Tone Xie

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Personal Statement

Combining my background in structural engineering with a lifelong passion for software development, I've embarked on a journey fueled by my desire for crafting solutions and building tangible results. My goal is to apply my diverse skill set to make meaningful contributions to innovative projects. I am eager to join a dynamic environment that not only promotes continuous learning and development but also embodies a strong commitment to professional growth with a positive and inclusive company culture. Outside of work, you'll often find me on the tennis court or immersed in a good book.

Work Experience

Postgraduate Web Development Tutor | University of Auckland *February 2024 - Present*
- Guided postgraduate students in mastering web development technologies as a tutor, emphasizing foundational concepts, responsive design, frontend and backend frameworks, database management, and version control systems.

Frontend Engineer Intern | Fourier Labs | Remote *November 2023 - January 2024*
- Ensured full responsiveness for a React website with the use of Tailwind.
- Integrated new components, such as page views and visual features, for a VueJs website based on Figma design specifications. Improved functionality of footer links and addressed existing bugs.
- Demonstrated commitment and drive in learning new technologies through rapid acquisition of skills in React, VueJs, and Tailwind CSS with no prior knowledge.

Structural Engineer | Harris Foster Consulting Group | Auckland *June 2022 - April 2023*
- Effectively managed and coordinated work on hundreds of different projects from terrace housing and 3-story standalone homes, to housing developments up to 17 blocks at a time, to issuing CANs addressing on-site issues.
- Consistently demonstrated exceptional time management skills and work efficiency, successfully managing up to 20 concurrent projects with a strong track record of meeting deadlines and delivering within budget.

Graduate Structural Engineer | TMC Consulting Engineers | Auckland *Jun 2021 - Feb 2022*
- Completed over 60 projects, including structural calculations, CAD drawings, and preparation of BC documents.

Intern → Graduate Engineer | MEC Consultant Engineering | Auckland *Dec 2019 - Feb 2021*

Projects

Personal Portfolio Website | Live Site: tx-portfolio.netlify.app
- Crafted a dynamic personal portfolio website using React and Tailwind CSS with captivating animations. Check it out!

Full-stack Blog Application using Express.js, JavaScript, Handlebars, CSS in Team Environment
- Implemented a secure authentication system with database storage, incorporating hashing and salting, session management through tokens in cookies, and dynamic client-side verification via AJAX calls to API endpoints.
- Collaborated with teammates on GitHub, working closely with each other to resolve merge conflicts.

Interactive Pokemon Data Viewer Website
- Created an interactive website using HTML, CSS, and JavaScript, with multiple theme selectors.
- Utilized AJAX requests and API calls to third-party applications for enhanced functionality.

Education

Masters of Information Technology | University of Auckland *February 2024 - Present*
- Advanced Information Security | Creating Maintainable Software | Advanced Topics in Database Systems

Postgrad Cert. of Information Technology | University of Auckland | A+ (96%) *June 2023 - November 2023*
- Programming for Industry | Programming with Web Technologies

Bachelor of Engineering Honours | University of Queensland | Brisbane *February 2017 - January 2021*

International Baccalaureate | Diploma Auckland International College *June 2014 - July 2016*

Skills

Java · JavaScript · React · VueJs · HTML · CSS · Tailwind · NodeJs · ExpressJs · GitHub · Python · SQL · English Native · Mandarin Fluent · AutoCAD · Bluebeam · SpaceGass · SAP200 · Microsoft Office Suite