

# Tone Xie

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## Personal Statement

I am a highly motivated aspiring software engineer with a background in structural engineering, which has equipped me with problem-solving skills and an acute attention to detail. I am passionate about the software engineering field, where I aim to leverage my diverse skill set to contribute to new exciting 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. In my free time, I am an avid tennis player and enjoy reading.

## Projects

- **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.
  - Provided valuable guidance and support to the team throughout the project.
- **Interactive Website Design and Development**
  - 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.
  - Incorporated captivating animations to improve user engagement and visual appeal.

## Education

**University of Auckland | Auckland** *June 2023-Present*  
**Masters of Information Technology**

- **Relevant Courses:**
  - Programming for Industry (Java, Swing, OOP, Industry Design Patterns, Unit Tests)
  - Programming with Web Technologies (JavaScript, Node.js, Express.js, Handlebars, HTML, CSS)

**The University of Queensland | Brisbane** *Feb 2017-Jan 2021*  
• **Bachelor of Engineering (Honors)**

**Auckland International College | International Baccalaureate Diploma** *Jun 2014-Jul 2016*

## Work Experience

**Structural Engineer | Harris Foster Consulting Group | Auckland** *March 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.
- Employed a proactive approach when collaborating with architects, geotechnical engineers, and builders to address unforeseen issues. Prioritized a client-centered approach, accommodating their vision wherever feasible.

**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.

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

**Apprentice Roofer | SSR Albany Ltd. | Auckland** *Aug 2016-Jan 2019*

## Skills

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|---|---|
| • Java, JavaScript, Html, CSS, Python, SQL, Git | • Bilingual (English Native, Mandarin Fluent) |
| • Express js, Node.js, Java Swing               | • CAD: AutoCAD, Bluebeam, Revit, Vectorworks  |
| • Microsoft Office Suite                        | • Full Driver's License                       |