

# Ray Zhao

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## EDUCATION

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### UNIVERSITY OF AUCKLAND

Bachelor of Science

Major in Computer Science

Relevant Coursework: Applied Algorithms, Large-Scale Software Development; Functional Programming; Artificial Intelligence

Auckland, NZ

Mar 2023 - Present

### WESTLAKE BOYS HIGH SCHOOL

Excellence Endorsement in NCEA level 2, 3

Auckland, NZ

Feb 2017 - Nov 2021

## WORK EXPERIENCE

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### WDCC (WEB DEVELOPMENT & CONSULTING CLUB)

Technical Lead

Auckland, NZ

Feb 2025 – Present

- Leading a team of student developers to engineer a large scale web application from scratch
- Independently handling front-end and back-end tasks involved with a wide range of technologies
- Overcoming both technical and external challenges with strong work ethic and problem-solving skills

### WDCC (WEB DEVELOPMENT & CONSULTING CLUB)

Full Stack Developer

Auckland, NZ

Mar 2024 – Present

- Contributed over 75 pull requests, 80,000 lines of code, recognised as one of the top contributors to the project
- Demonstrated strong passion and work ethic, consistently exceeding expectations
- Quick to adapt and learn new technologies, continuously improving by tackling challenges head-on

## PROJECTS

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### UASC WEB - LARGE SCALE WEB PLATFORM

Mar 2024 - Nov 2024

- Engineered a large-scale website managing online bookings, payments, and registrations using Next.js, Typescript, Tailwind CSS, React, Firebase and Express.js
- Handling over 2000 registered users and over 40k online transfers in NZD
- Independently completed 75+ pull requests, ranking 1st out of a 12-member team, showcasing strong initiative and technical expertise

### RAY ZHAO WEB - PERSONAL WEB PLATFORM

Feb 2025 - Mar 2025

- Designed, developed and deployed a sophisticated and robust web platform fully independently with Next.js, Typescript, Tailwind CSS, Vercel and React
- Unique features include: Integrating seamlessly with a blogging system, a dynamic codebase library for LeetCode solutions, a project showcase and a version update tracker combined with complex routing to fast-render 100+ individual pages

### AUSA WELLBEING TRACKER - WEB APPLICATION

Mar 2025 - Present

- Leading a team of student developers to develop a comprehensive web application for AUSA. Focused on creating an accessible platform to support students with mental health & other services (40k+ contributions, 40+ pull requests)
- Utilizing tech stack including Next.js, Typescript, Tailwind CSS, React, Firebase and Typescript Open Api (TSOA)

### STOCK ANALYZER

May 2025 - Present

- Developed a stock screening tool with a complete plugin system to identify short/long term momentum gainers with analyzed results produced by customizable filters and tags
- Implemented modular filter and marking plugins for weekly performance check for stocks, providing a more detailed analysis with advanced data transferring & conversion

## ADDITIONAL

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**Technical Skills:** Proficient in Javascript, Typescript, Tailwind CSS, React, HTML, CSS, Java, Python

**Interests:** Algorithm Competitions, LeetCode, Cars