

Jerry Nguyen

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EDUCATION

University of Auckland

Bachelor of Science in Computer Science and Bachelor of Commerce in Finance

Auckland, NZ

Feb. 2022 – Nov. 2025

TECHNICAL SKILLS/AWARDS

Software: Java, Python, JavaScript, TypeScript, HTML/CSS, React, Next.js, TailwindCSS, Flask

Data: SQL, Jinja, PowerBI, Retrieval-Augmented Generation (RAG), Prompt Engineering, Agents

DevOps/Cloud: Git, Wireshark, AWS, Azure, Firebase

Libraries: TanStack, Socket IO, OpenAI, Gemini, Drizzle, Playwright, Storybook

Awards: **Bronze medal** in New Zealand Maths Olympiad 2020

WORK EXPERIENCE

Data and Insights Analyst

Nov. 2025 – Present

College Hill Agencies

Auckland, NZ

- Migrated and structured critical Excel files into a **PostgreSQL** database for streamlined data management.
- Developed an internal staff portal for **8** Key Account Managers to update and extract information from the database using **Next.js**, **Typescript**, and **Drizzle ORM**.
- Optimised existing daily PowerBI reports by reducing navigation elements by **30%**, improving usability and user experience
- Designed and implemented an AI-integrated application for automated document scanning and analysis, saving **8 hours** of manual effort each week.

Software Engineer Intern

Nov. 2024 – Feb. 2025

Namitech

Hanoi, VN

- Contributed to the development process of an AI-integrated CRM system to visualize the conversation and detect sentiments of the customers using **Next.js**, **Typescript**, **NodeJS**, and **WebSocket**.
- Implemented **RESTful** and **GraphQL** APIs to fetch and integrate real-time data into a web application, optimizing data retrieval efficiency and performance.

EXTRACURRICULAR

Technical Lead

Mar. 2025 – Nov. 2025

WDCC - University of Auckland's Web Development and Consulting Club

Auckland, NZ

- Led a team of 10 in developing the **University of Auckland Investments Club website** displaying their bulletins, an investment monitor tracking their **\$38k+** portfolio, and a membership sign-up page.
- Designed the software architecture, established the tech rationale behind the stack, leading Agile sprints, and upskilling developers.
- Discussed with clients and create solutions for new client's needs and requirements for the project.

Web Developer

Mar. 2024 – Nov. 2024

WDCC - University of Auckland's Web Development and Consulting Club

Auckland, NZ

- Worked with a team of 10 developers to develop a **website** for the **University of Auckland Volunteers Club** of **3000+** followers.
- Developed the frontend using **React**, **Typescript**, and **Tailwind CSS**, and **ExpressJS** and **NodeJS** for the backend with **Firebase** as the database.

PROJECTS

WDCC x SESA Hackathon Website — *TypeScript, NextJS*

[Website](#)

- Collaborated in a team to develop a promotional website for the largest tertiary hackathon in New Zealand using **Next.js** and **Typescript**.

Recap — *TypeScript, NextJS, Drizzle, AWS S3, AWS RDS, AWS App Runner*

[Repository](#)

- Designed and developed Re:Cap, a centralized web platform to showcase University of Auckland Computer Science capstone projects, improving visibility, accessibility, and stakeholder engagement
- Enhanced student employability and industry connection through interactive features (e.g., likes, comments, awards) and streamlined project showcase workflows.