Raymond Yang

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Education

University of Auckland — Jul 2023 - Present
Bachelor of Science in Computer Science — Studies End: Nov 2025

- **First in Course** - Principles of Programming

University of Auckland — Jul 2022 - Jun 2023
Postgraduate Certificate in Information Technology

Massey University — Feb 2019 - Nov 2021
Bachelor of Business in Marketing & Organisational Technology Management

- **Scholar Award** (Top 5% of Cohort), **Dean's List Award** in 2019, 2020, 2021

Experience

Software Engineer Intern — Nov 2024 - Feb 2025
Harmoney — Auckland, NZ

- Led a group of interns in developing and designing a **NestJS backend service** for Affordability Visibility, replacing direct **Camunda** variable access with a centralised service that **improved data accuracy** and resolved bugs causing credit officers to use incorrect affordability data
- **Automated monthly debt sales transactions** by building a CSV uploader in the admin dashboard, enabling authorised users to trigger transactions independently and **reducing manual effort by 10 hours per month**
- Designed and implemented **SOAP interceptors** to capture request, response, and error metrics, enabling **Prometheus** monitoring and Slack alerts for high error rates
- Developed a **credit file retrieval service** for New Zealand's platform migration, integrating Equifax's API to fetch, parse, and transform XML credit reports

Service Desk Analyst — May 2022 - Jul 2023
IAG — Auckland, NZ

- Achieved an **85% first-call resolution rate** by resolving 100+ incidents and service requests weekly using ServiceNow
- Streamlined service desk operations by implementing a passphrase generator, **reducing password handling time by 30%** and improving password security compliance

Personal Insurance Consultant — Nov 2021 - Apr 2022
IAG — Auckland, NZ

Technical SEO Intern — Jul 2021 - Oct 2021
Pure SEO — Auckland, NZ

Projects

Patrols
TypeScript, React, Supabase, Prisma
Deployed Application

- Built a **progressive web application** using **React**, **Express.js,** and **Supabase** to streamline incident reporting for Community Patrol New Zealand, reducing report submission time

Self-Hosted Media Server
Docker, Linux

- Deployed and automated a home media server using **Docker** on an **Ubuntu Server**, integrating Plex and automation tools, resulting in a fully autonomous media environment

Donatio
TypeScript, React, Firebase,
Deployed Application

- Developed and presented a functional prototype of Donatio, a web app enabling donations to humanitarian causes, in a 48-hour sprint at the 2024 DEVS Hackathon using **TypeScript**, **React**, **Next.js**, **Firebase**, and **Stripe** API

The Art Thief
Svelte, Express.js, Stability.ai API
GitHub Repository

- **Won 1st place** at WDCC x SESA Hackathon by building a web-based game within a 24-hour timeframe as in a team of 6 using Stability.ai's **Stable Diffusion API**, allowing users to create replicas of historical artwork from line sketches and text prompts

Extracurricular

Web Development & Consulting Club (WDCC) — Nov 2024 - Present
Secretary-Treasurer

- Scheduled and organised meetings, events, and activities, including preparing agendas and minutes, while ensuring the club's compliance with charitable standards and completing all university and government applications to a high standard
- Managed financial operations, including the preparation of annual budgets and performance reports, and processed invoices and reimbursements

Web Development & Consulting Club (WDCC) — Dec 2023 - Oct 2024
Education Executive

- Organised technical and career-related events for New Zealand's largest student-led technology club, with 1000+ annual members

Technical Skills

Languages: Java, JavaScript / TypeScript, Python, HTML, CSS, SQL

Frameworks/Libraries: React, Node.js, NestJS, Next.js, Redux Toolkit, Tailwind CSS

Databases & ORM: PostgreSQL, SQLite, Supabase, Prisma

Tools: Git, Postman, Docker, Docker Compose, Linux (Ubuntu Server)