

Ziang Li

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Summary

Master of Information Technology student at the University of Auckland with a completed Bachelor of Science in Computer Science. I enjoy backend and full-stack development, especially turning creative ideas into practical, user-focused applications, and I bring a collaborative mindset, strong problem-solving skills, and a willingness to keep learning across web, cloud, and AI-related projects.

Skills

Languages:	JavaScript, Python, Java, C#, HTML, CSS, TypeScript
Frameworks & Web:	React, Next.js, Node.js, Express, Vite, Flask, TailwindCSS, Three.js, Canvas API, scikit-learn
Databases:	MySQL, MongoDB
Tools & Platforms:	Git, GitHub, AWS, Vercel, Android Studio, GSP, Cloudflare
Focus Areas:	Full-stack development, Machine Learning, AI
AI-Assisted Workflow:	Apply AI tools such as Claude Code, Codex, and Google Stitch in my workflow to support ideation, rapid prototyping, debugging, code refinement, and UI exploration
Spoken Languages:	English, Chinese

Education

Master of Information Technology Focus: Machine Learning and Artificial Intelligence	2025 - Present	University of Auckland
Bachelor of Science Major: Computer Science	2022 – 2025	University of Auckland

Projects

TeamUp Role: Backend Developer Technologies: Node.js, Express, MongoDB, GCP	Ongoing Team Project
<ul style="list-style-type: none">Contributing to TeamUp, an ongoing web application for university group formation and management.Developing backend APIs and data workflows for authentication, student profiles, and group joining features.Supporting GCP deployment setup and backend integration for a more efficient team formation workflow.	
Game Library Website Role: Full Stack Developer Technologies: HTML, CSS, Python, Flask, MySQL	Team Project
<ul style="list-style-type: none">Developed a web application for managing a library of games, allowing users to browse, search, and review games.Built the front end with HTML/CSS and implemented backend functionality using Python and Flask.Integrated MySQL for data storage and delivered a responsive, user-friendly interface.	
Personal Data Platform Role: Developer Technologies: Python, SQL, UX Design, Information Modelling, AWS	Capstone Project

- Developed a prototype platform focused on ethical personal data trading and privacy-aware design.
- Investigated business models, regulatory considerations, and user-centred requirements.
- Applied design thinking, information modelling, and system planning to shape the platform concept.

FakeBust

Personal Project

Role: Full Stack Developer | Technologies: Next.js, TypeScript, Tailwind CSS, Google Gemini API, MongoDB, Vercel

- Built an AI-powered fake news detector using Google Gemini 2.0 Flash, classifying articles as REAL, FAKE, or UNCERTAIN with confidence scoring.
- Implemented multilingual support, URL and text-paste input, and shareable report links backed by MongoDB Atlas persistent storage.
- Deployed on Vercel with Next.js 15 App Router, including a public feed of recent community evaluations.

WebCanvas

Personal Project

Role: Frontend Developer | Technologies: TypeScript, Next.js, Three.js, HTML Canvas API, Tailwind CSS

- Built a 3D portfolio room using Three.js and the HTML Canvas API, rendering live HTML pages directly inside canvas elements via SVG foreignObject.
- Implemented real-time HTML-in-canvas rendering, enabling interactive web content to display as live screens within the 3D scene.
- Built with Next.js and TypeScript, incorporating hot-reload, Jest testing, and PostCSS for a maintainable development workflow.

TrafficPredict

Concept Project

Role: Developer (Concept) | Technologies: Python, Machine Learning, scikit-learn, Data Analysis

- Conceptualised a machine learning system to predict Auckland traffic flow using historical transport data and environmental variables.
- Designed a data pipeline integrating Auckland Transport open data with ML regression models for traffic volume forecasting.
- Proposed a web dashboard to visualise real-time traffic predictions and assist commuters in route planning.

Work Experience

Software Developer

5.2026 - Present

Oliver Andrew Associates

- Building an employee log and project management system for Oliver Andrew Associates to support staff activity tracking, project coordination, and operational visibility.
- Developing features for employee records, project/task tracking, and management workflows based on company requirements.
- Translating business needs into a practical internal system with clear data organisation and a user-focused interface.

Receptionist

10.2021 - 12.2021

Master Bao Restaurant

- Welcomed guests, managed reservations, and coordinated with staff in a fast-paced environment.
- Handled customer inquiries and helped ensure a positive dining experience.

International Volunteer Teacher

11.2019 - 12.2019

Chiang Mai, Thailand

- Taught basic English to primary school students and created engaging learning activities.
- Supported students in improving speaking and comprehension skills.

Certificates

AWS Certified Cloud Practitioner

ARIS Business Process Analysis Platform Certification

Certificate of Outstanding Achievement in Java Object Oriented Software Development

EXTRACURRICULAR ACTIVITIES

Web Development & Consulting Club Member, University of Auckland

- Participated in coding challenges and hackathons.
- Collaborated with peers on various coding projects.