

Yushi Cui

Full-Stack Product Engineer building AI-powered tools and web applications

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SUMMARY

Full-stack product engineer with experience building internal tools, client applications, and AI-powered workflows at GrowLab Technologies. Work across React, TypeScript, Node.js, .NET, and modern AI tooling to take ideas from prototype to production. AUT Computer and Information Sciences student graduating in July 2026 (GPA 7.75/9.0), with hands-on experience in web products, developer tooling, and applied AI.

EXPERIENCE

GrowLab Technologies — AI-Native Product Engineer & Full Stack Developer

March 2026 - June 2026

Auckland, New Zealand

ROLE Full-stack product engineer at an AI-native product studio, owning 0→1 delivery from product idea through deployment — full-stack development, product design, AI integration, and front-end/back-end architecture.

ACTIONS Designed and integrated AI agents and models into internal and client workflows. Made the product, design, and architecture calls end-to-end. Carried ideas from initial prototype to production-ready features without a hand-off.

Decoded Venture Studio — Junior Developer

October 2025 - December 2025

Auckland, New Zealand

ROLE R&D engineer owning the coding-agent surface of a full-stack agent platform built on the OpenAI Agent SDK, from PRD through deployed code.

ACTIONS Designed the agent architecture and orchestration pipeline. Built the QA and testing layer that kept generated work aligned with technical specifications. Set up the human-in-the-loop review flow pairing automation with reviewer judgment.

HALO Systems by Tag IT — Software Engineer Intern

December 2024 - February 2025

Auckland, New Zealand

ROLE First software engineering role — internship building a real-time HMI dashboard for agricultural effluent control.

ACTIONS Built the dashboard with Vue.js, TypeScript, and Mapbox. Implemented GeoJSON visualization for live farm-map sensor data. Authored an SVG component library.

IMPACT SVG component library reused across multiple client sites.

Costas Taverna Greek Restaurant — Chef De Partie

June 2019 - November 2022

Christchurch, Canterbury, New Zealand

ROLE Chef de partie on the dinner service line at a Greek restaurant.

ACTIONS Managed a kitchen team during dinner service. Reorganized prep workflow to reduce bottlenecks under sustained time pressure.

METRICS Team of 5

PROJECTS

Truss House: Website Redesign + RAG Chatbot

GrowLab Technologies Client Project

trusshouse.org

ROLE Delivered at GrowLab for Truss House, an NZ construction-tech company — marketing site rebuild plus a customer-facing AI assistant that answers product questions from their documentation.

ACTIONS Rebuilt the site with Astro and Tailwind CSS in a calmer, trade-focused aesthetic. Built the chatbot as a separate Next.js app on Vercel with semantic search and embeddings over their product content.

IMPACT Lazy-loaded chatbot widget keeps zero impact on the marketing site's initial page load.

My GTD Buddy: Claude Code Skill

Personal Project

GitHub

ROLE Reminders-native GTD workflow shipped as a Claude Code Skill.

ACTIONS Wrapped Apple Reminders and macOS Calendar via AppleScript shell scripts with yq-driven YAML state. Designed mode-based routing (process, coach, review, health) and context- and energy-aware task selection with undo support.

IMPACT Now drives my daily task management — used continuously across personal and work tasks.

Mini AI App Builder

Personal Project

Live Demo

ROLE Full-stack TypeScript app that turns natural-language descriptions into structured app requirements and mock UIs.

ACTIONS Built the React 18 + Vite + Tailwind frontend and the Node.js/Express backend in a Turbo monorepo. Integrated Google Gemini for generation.

IMPACT Deployed to production with a custom domain.

METRICS 357 tests (Jest + Vitest)

SKILLS

Frontend React, Next.js, TypeScript, Vue.js, Tailwind CSS, Astro, SCSS

Backend Node.js, .NET Core, Python, C#, NestJS

DevOps Docker, GitHub Actions, Azure, Git

Database MongoDB, SQL Server, PostgreSQL, Firebase, Mapbox, GeoJSON

AI Development Claude Code, Codex, Gemini CLI, Prompt Engineering, Context Engineering, Agent Skills, MCP Servers, Spec-Driven Software Development, AI Agents, Multi-agent Systems, RAG, Product Development, Full-Stack Development, OpenAI Agent SDK

EDUCATION

Auckland University of Technology — Bachelor of Computer and Information Sciences July 2023 - July 2026 (Expected)

Computer Science · Auckland, New Zealand · GPA: 7.75/9.0

CERTIFICATIONS

Microsoft Azure AI Fundamentals (AI-900) Microsoft 2024

GitHub Foundations GitHub 2025

Scrum: The Basics LinkedIn Learning 2025

Introduction to Model Context Protocol Anthropic 2026

Building with the Claude API Anthropic 2026

AI Fluency Framework & Foundations Anthropic 2026

Claude 101 Anthropic 2026

Claude Code in Action Anthropic 2026

LANGUAGES

English Professional working proficiency

Chinese (Mandarin) Native speaker