

Yuchao (Leo) Zhang



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SUMMARY

Master's student in **Computer and Information Sciences** at **AUT**, graduating October 2025. Holding a **student visa with full-time work rights** in New Zealand.

Over **10 years** of experience in **Java backend and full-stack development**, including **Spring Boot**, **MyBatis**, and **microservice architecture**. Built and maintained enterprise systems across **manufacturing**, **messaging**, and **IoT**. Proficient in **Docker**, **Nginx**, **Windows Server**, and **CI/CD pipelines**.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, Kotlin, HTML, SQL

Frameworks: Spring Boot, Spring Cloud, MyBatis, .NET, Android SDK, Vue.js

Databases: MySQL, MongoDB, Redis, **SQL Server**, SQLite

DevOps Tools: Docker, Jenkins, Nginx, IIS, Git, systemd, cron, shell scripting

Platforms: Windows Server (2012–2022), CentOS, Ubuntu, Android, Raspberry Pi

Windows Server & IIS: IIS deployment, site binding, SSL configuration, port setup, logs

System Admin: Active Directory basics, group policy, remote desktop, firewall rules, shared folders

IoT & Hardware: RFID, barcode scanners, relays, sensors, UART/serial communication

Cloud & File Sync: Dropbox, OneDrive, Google Drive, SFTP, rsync, basic Azure setup

EXPERIENCE

ChatClothes Virtual Try-On (AI Thesis)

AUT, NZ

2024 – 2025

Sole developer of a multimodal AI system for virtual try-on, submitted thesis 6 months early.

- Designed modular architecture combining **diffusion models**, **YOLO-LC** classification, and **LLM-driven user control**
- Integrated generation and control via **ComfyUI + Dify**, deployed on browser and offline
- Optimized inference on **Raspberry Pi 5**, achieving low-latency performance
- Gained hands-on experience in full-stack AI workflows and edge deployment

Smart Factory Backend System

Chunxiao Technology Co., Ltd., China

2018 – 2024

Technical lead for backend architecture of a textile factory system across 5+ sites.

- Designed backend services with **Spring Boot**, managed DBs with **MySQL/Redis**
- Led deployment via **Docker + Jenkins + Nginx** on **Linux (CentOS)** servers
- Integrated industrial hardware: **RFID, barcode, washing conveyors**
- Delivered scalable architecture, increasing production efficiency by **30%+**

Enterprise Messaging System

Chunxiao Technology Co., Ltd., China

2014 – 2023

Core Android & backend developer for cross-platform IM system used by 10,000+ internal users.

- Developed messaging backend in **Spring Cloud**, Android client with **NDK-based TCP/UDP**
- Handled protocol design, message queues, and session management
- Processed **500K+ messages/day** with latency under **200ms**, improving real-time stability

IoT Projects & Full-Stack Solutions

Chunxiao Technology Co., Ltd., China

2013 – 2023

Full-stack engineer delivering Android+backend solutions for IoT and public service.

- Built apps and APIs for forestry patrols, smart lockers, and ad display units
- Integrated custom hardware via **UART, GPIO, sensors**, wrote protocol adapters

- Migrated **6+** legacy systems to new servers, ensuring **99.9% uptime**

Other Projects & Maintenance *Chunxiao Technology Co., Ltd., China*
System maintainer and IT support for backend, deployment, and office systems.

2013 – 2023

- Managed **Windows Server 2012–2022**, IIS site binding, SSL certs, port setup
- Administered **shared folders**, RDP, firewall rules, FTP, and scheduled tasks
- Implemented automated backups with **cron**, Task Scheduler, and **rsync**
- Integrated **OneDrive**, **Dropbox**, and remote storage for team collaboration

EDUCATION

Master of Computer and Information Sciences *AUT, New Zealand* Jul 2024 – Oct 2025
Research focus: AI, lightweight model deployment, virtual try-on. Thesis submitted early.

Bachelor of Software Engineering *Hebei University of Science and Technology, China* Jul 2009 – Jun 2013
Received National Scholarship. Trained in Java, databases, and backend system design.

LICENSES & CERTIFICATIONS

• Software Design Engineer Certificate	<i>China Qualification Authority</i>	2019
• Network Communication Security Administrator	<i>China Qualification Authority</i>	2017
• Science and Technology Achievement Award (Smart Manufacturing)	<i>Hebei, China</i>	2020
• IoT Fundamentals (MOOC)	<i>Xi'an Jiaotong University</i>	2020