Leo Zhang in ⊙

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SUMMARY

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

Over **10 years of experience** in software development with a focus on **Android**. Delivered solutions in **industrial automation**, **retail systems**, and **consumer platforms**. Skilled in both coding and **team leadership**, managing cross-functional teams through full development cycles.

TECHNICAL SKILLS

Programming Languages: Java, Kotlin, Python, JavaScript, NodeJS, C

Android Development: Jetpack, NDK, MVVM/MVP Architecture, Material Design, SQLite, Flutter

Full-Stack & Backend: Spring, MyBatis, RESTful API, Vue.js, HTML/CSS

Computer Vision: TensorFlow, PyTorch, OpenCV, YOLO, ComfyUI, Diffusion models

AI & Coding Tools: MCP, Cursor, Trae, GitHub Copilot, Qwen

DevOps & Deployment: Docker, Jenkins, Nginx, Tomcat, Linux , Git, MongoDB, MySQL, Redis

Hardware Integration: Android ADB, RFID, barcode scanners, sensors, relays, UART/Serial debug

EXPERIENCE

ChatClothes Virtual Try-On System　　　*AUT, New Zealand*　　　Nov 2024 – Apr 2025

Sole developer and system designer of an AI-driven virtual try-on platform with LLM control and offline deployment.

- **Designed and implemented entire system architecture**, combining diffusion models, YOLO classifiers, and LLM for user interaction.
- Built generation pipeline using **ComfyUI** and integrated user control with **Dify orchestration**.
- Supported **text/image/multimodal input**, enabling personalized try-on scenarios.
- **Optimized for edge devices** with real-time performance and offline capability.
- **Completed full-stack AI solution independently**; submitted early and presented working demo and documentation.

Smart Factory Platform　　　*Chunxiao Technology Co., Ltd., China*　　　2018 – 2024

Led a 6-person cross-functional team building a production system across Android, backend, and hardware integration.

- **Led design and delivery** of Android apps for workshop terminals and smart lockers.
- Developed backend with **Spring Cloud**, use **Jenkins + Nginx** and **MySQL,Redis,MongoDB**.
- **Integrated industrial hardware**: RFID, barcode scanners, conveyors, and laundry machines.
- Championed agile practices and documentation; ensured **on-time delivery across all modules**.
- System adopted in 5+ manufacturing bases, supporting daily operations for hundreds of workers.

Enterprise Messaging Platform　　　*Chunxiao Technology Co., Ltd., China*　　　2014 – 2023

Core Android developer and protocol integrator for internal enterprise messaging platform.

- Designed **real-time messaging UI** for Android; integrated cross-terminal login (Web, PC).
- Built native communication with **NDK-based TCP/UDP protocol**; improved stability and performance.

- Developed backend services using **Spring Cloud** and **Node.js**.
- Facilitated version releases; coordinated updates with QA and client teams.
- Platform reached 10,000+ daily active users; enhanced internal efficiency and communication.

Other Projects *Chunxiao Technology Co., Ltd., China* 2013 – 2023
Delivered full-stack software across public service, IoT, and retail automation.

- Developed forestry inspection app (with GPS and photo logging) and IoT dashboard for smart energy.
- Built SDKs for smart cabinets, controlling locks, sensors, lights, and doors via Android.
- Took part in **cross-departmental collaboration** and **requirement analysis**.
- Automated deployment and monitoring; ensured **stable long-term operation**.

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** *China Qualification Authority* 2019
- **Network Communication Security Administrator** *China Qualification Authority* 2017
- **Science and Technology Achievement Award (Smart Manufacturing)** *Hebei, China* 2020
- **IoT Fundamentals (MOOC)** *Xi'an Jiaotong University* 2020