

# Zilong Guo

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## Personal Particulars:

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**Zilong Guo**

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## Education

### 2023 – Present

University of New South Wales

Master of Information Technology (Artificial Intelligence Specialization)

Relevant Courses: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision

Project: Developed an image classification model using deep learning (Python + TensorFlow)

### 2021 – 2023

The University of Auckland

Bachelor of Science (Major in Computer Science & Statistics)

Relevant Courses: Data Structures, Algorithm Design, Statistical Analysis, Machine Learning Fundamentals

Projects: Developed a simple inventory management system (Python + SQL), participated in a data visualization project (Tableau)

### 2018 – 2019

UP Education

Foundation Program (Academic English, Mathematics, Physics, Calculus, Accounting)

GPA: 3.5/4.0

### 2016 – 2018

ChiFeng No.2 High School

Senior High School Graduation Certificate (Science Stream)

## Work Experience

### 2025 (Apr – Jul)

WhiteMirror – AI Intern

- Assisted in large language model optimization and testing
- Conducted prompt experiments and basic model fine-tuning
- Collaborated in developing small programs and lightweight apps
- Helped with data preparation and documentation

### 2021 – 2022

Ippondo – Sales & Inventory Management

- Optimized shelf display to improve visibility and sales
- Managed inventory and reduced out-of-stock rates
- Assisted with customer service and after-sales support

### 2021

Fatboy Restaurant – Waiter

- Took orders and delivered service efficiently during peak hours
- Assisted in stock management and customer complaints handling

### 2019

Orientation Volunteer, The University of Auckland

- Supported registration for new students and campus tours
- Designed an online FAQ to reduce repetitive inquiries

## Skills & Certifications

### AI & Machine Learning

Deep learning (TensorFlow), NLP, Prompt Engineering, LLM fine-tuning & optimization  
LLM training & deployment (LoRA, instruction tuning), Knowledge Graph + RAG with Neo4j  
Data preprocessing, feature engineering, and model evaluation (accuracy, precision, recall, F1)

### Programming & Frameworks

Python (Pandas, NumPy, TensorFlow), JavaScript, React, HTML/CSS  
Backend & API: FastAPI, Flask, RESTful API development and integration  
Web scraping & data collection with requests  
Lightweight app development and deployment

## **Databases & Cloud**

Supabase (database & authentication)

PostgreSQL

Neo4j (graph database)

## **Design & Tools**

Figma (wireframing and UI prototyping)

Git, Jupyter Notebook

## **Certifications**

Grade 10 Certification from the Music Association of China (Piano)

Coursera Online Course: Python for Data Science

## **Languages**

Mandarin (Native)

English