



Jian Qi

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 Hamilton, New Zealand

Bio. Master of Information Technology student at the University of Waikato (expected Feb 2026). Holds a Bachelor's degree in Software Engineering from Hainan Normal University. Experienced in backend development with a growing focus on distributed systems and microservices.

Research interests. Interested in system architecture, AI, and scalable software design. Academic background includes **Software Engineering**, **Software Architecture**, **Algorithm Design**, and **Data Structures**. Currently exploring **Distributed Systems** and **Microservices Architecture**.

Skills

Programming Skills : **Java** (primary), C/C++, Golang, Python, Git.

Spring Cloud, GoZero, Istio, **Kubernetes**, RabbitMQ, Vue, React.

Software Development : Experienced in full software development lifecycle.

Skilled at debugging and performance tuning.

Proficient in problem-solving using community and AI tools.

Projects & Experiences

Mar 2025 | Time System, Personal Project, Golang | Istio | Vue

- Jan 2025
- > Developed a microservice time system with a Go backend and Vue frontend.
 - > Deployed on Kubernetes with Istio to explore service mesh and load balancing.
 - > Migrated from Spring Cloud to a more lightweight architecture.
 - > **Demo :** [Time API](#)

Golang Istio Kubernetes Vue

May 2022 | Software Developer Intern, Jiuyuan Yinhai Company, Spring Boot | Vue

- Mar 2022
- > **Platform :** Developed a cross-region healthcare access subsystem.
 - > **Backend :** Built core modules using Spring Boot.
 - > **Frontend :** Implemented interfaces with Vue.js.

Spring Boot Vue MySQL

Apr 2022 | Graduation Project : JMask, HNNU, Spring Boot | Flask | Vue

- Sep 2021
- > Developed a face mask detection system using web and AI technologies.
 - > **Backend :** *Spring Boot* for system management and *Flask* for AI API.
 - > **Frontend :** *Vue3* with *ElementPlus* UI components.
 - > Used pre-trained SSD AI model from GitHub.
 - > **Source Code :** [Java Server](#), [Web](#).

Spring Boot Flask Vue AI SSD Model

Feb 2021 | Software Developer Intern, New Horizon Software Co., Ltd., Java | HTML | MySQL

- Sep 2020
- > Developed an interactive knowledge visualization platform using Java, HTML, and MySQL.
 - > Led full database design and built majority of backend functionalities.
 - > Collaborated with team and supervisors to meet milestones on schedule.

Java Spring Boot HTML MySQL Vue

2020–2023

Other Projects, Personal Projects, Various

- > Set up and managed self-hosted services on **Alibaba Cloud** (Nginx, Email, FRP) under **CentOS**.
- > Created a personal homepage using **Vue** and **Nginx** : contact.jian.nz.
- > Produced an educational video on DBMS relational algebra using **Manim** : bilibili.com.

Vue Nginx CentOS Java MySQL Manim Python

Education

Master of Information Technology

The University of Waikato (UOW), Hamilton, New Zealand

Completing Feb 2026

Bachelor of Engineering in Software Engineering

Hainan Normal University (HNNU), Haikou, China

Jun 2022

Languages

English : IELTS : 6

Chinese : Mandarin : native

Honors & Awards

National College Student Computer Design Competition (China)

Third Prize, Hainan Provincial Round

Jun 2021

National Professional Qualification in Computer Technology and Software (China)

Intermediate Certificate — Software Designer

May 2021

National College Student Computer Design Competition (China)

Third Prize, University Round — Hainan Normal University

Feb 2021

National Professional Qualification in Computer Technology and Software (China)

Junior Certificate — Programmer

Nov 2020

Putonghua Proficiency Test Certificate (PRC Standard)

Level 2, Grade A

May 2019

Outstanding Academic Scholarship

Awarded by Hainan Normal University

Mar 2019

Interests

Sports : Badminton, Football.

Arts : Photography, Music appreciation.

Misc : Travelling, Exploring emerging technologies, Flight simulation.

(last update : 21 September. 2025)