

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 <ul style="list-style-type: none">› 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
Jan 2025	Golang Istio Kubernetes Vue
May 2022	Software Developer Intern, Jiuyuan Yinhai Company, Spring Boot Vue <ul style="list-style-type: none">› Platform : Developed a cross-region healthcare access subsystem.› Backend : Built core modules using Spring Boot.› Frontend : Implemented interfaces with Vue.js.
Mar 2022	Spring Boot Vue MySQL
Apr 2022	Graduation Project : JMask, HNNU, Spring Boot Flask Vue <ul style="list-style-type: none">› 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.
Sep 2021	Spring Boot Flask Vue AI SSD Model
Feb 2021	Software Developer Intern, New Horizon Software Co., Ltd., Java HTML MySQL <ul style="list-style-type: none">› 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.
Sep 2020	Java Spring Boot HTML MySQL Vue

2020–2023	Other Projects, Personal Projects, Various <ul style="list-style-type: none"> ➢ 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. <div style="display: flex; justify-content: space-around; margin-top: 10px;"> Vue Nginx CentOS Java MySQL Manim Python </div>
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Education

Master of Information Technology <i>The University of Waikato (UOW), Hamilton, New Zealand</i>	Completing Feb 2026
Bachelor of Engineering in Software Engineering <i>Hainan Normal University (HNNU), Haikou, China</i>	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)