Wenqing Ji

SOFTWARE DEVELOPER | AI AUTOMATION | APIS & DATA

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New Zealand Post-study open work visa | No sponsorship required during validity

TARGET MATCH

NEXT.JS & REACT | REST APIS & FASTAPI | AI AGENT RELIABILITY | TEST AUTOMATION | DATA & EVENT-DRIVEN SYSTEMS

Developer delivering frontend workflows, API integration, AI-agent reliability, structured troubleshooting, and evidence-driven verification across collaborative and independent projects.

RELEVANT EXPERIENCE

University of Auckland Industry Internship Oct 2025 - Mar 2026

Frontend & AI Developer Intern

- Built **reusable Next.js and React components** for staged AI product workflows.
- Clarified **REST API contracts** and stabilized structured data flow across frontend integration.
- Developed **prompt and search logic**; contributed to sprint planning, code review, testing, and documentation.

RELEVANT TECHNICAL PROJECTS

Agent GUI Runtime - Independent Developer Jan 2026 - Present

- Built **Python and FastAPI** runtime **Agent Review Instant 0.1.8** for visual GUI localisation, step-by-step screenshot verification, and **guarded dispatch**.
- Added **confirmed updates and rollback**, task-aware maintenance locks and **structured receipts**. Current-agent mode supports basic clicks; scoped acceptance does not establish general unattended reliability.

Amadeus - Open Source Contributor Oct 2026 - Present

- **Eight merged PRs** in Python, TypeScript and C#: MCP approvals, permission state, agent narration, cancellation cleanup and wallpaper recovery.
- Implemented **persistent approval policy and exact-call MCP grants** with permission boundaries. Extension update/rollback proposal **#261 remains pending merge**.

TRV Challenge & Evidence-Driven Trading Desk Public domain core + historical challenge

- **Public clean-room: Java 17/Maven domain core** with **46 JUnit tests (7 + 19 + 20)**; separate from historical challenge services and run results.
- **Historical TRV challenge:** Python/Java Taker, Quoter, and Hedger services; NATS, risk controls, reconciliation, **138 automated tests**, clean linux/amd64 builds, bounded six-service smoke testing, and verified cleanup. The profitability criterion was not proven to pass in the challenge.

JOB-RELEVANT TECHNICAL STACK

Languages: Python, Java, C#, JavaScript, TypeScript | **Frontend:** Next.js, React, Tailwind CSS | **Backend & APIs:** FastAPI, REST, HTTP APIs

AI & Automation: AI agents, OCR, computer vision, prompt/search logic | **Data & Databases:** pandas, scikit-learn, SPSS, SQL, MySQL, SQLite

Testing & Delivery: pytest, Jest, Playwright, Docker Compose, code review | **Systems:** NATS, TCP sockets, Linux, structured traces, diagnostic logging

EDUCATION

University of Auckland Mar 2025 - Sep 2026

Master of Information Technology - **First Class Honours**

GPA: 7.417 / 9.0 | **Final Semester GPA: 8.0** | Coursework: Data Analytics with Python and SPSS; Big Data Algorithms; IT Consulting with SAP tools.

Nanjing Forestry University Sep 2020 - Jun 2024

BSc Information Management and Information Systems | **GPA 3.4 / 4.5; Top 20%**