

Tianrun Qiu

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Mountain View, CA | Available May 11 – Aug 20, 2027

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EDUCATION

Carnegie Mellon University, Silicon Valley

Master's Degree, Computer Software Engineering (MSSM; summer internship required, CPT eligible)

Honors: Winner, NewsBreak × CMU-SV ECE Hackathon (AI agents)

Mountain View, CA

Aug 2026 – Dec 2027

Southern University of Science and Technology

Bachelor of Engineering in Computer Science and Technology, highest honors

GPA: 3.86/4.00; Honors: School Motto Scholarship (top 0.2%); M. Kuok Scholarship (top 4%)

Leadership: Deputy Lead, Shuli College Peer Mentor Team; co-built a dorm-selection system used by 600+ students

Shenzhen, China

Aug 2022 – Jun 2026

EXPERIENCE

DeepWisdom (MetaGPT) | AI app builder startup

Product Engineer Intern, Atoms

Shenzhen, China

Feb 2026 – May 2026

- Shipped a **full-stack data workspace** (Nuxt/Vue, Python, Postgres) for non-technical builders to browse, inline-edit, and export app data without SQL, replacing Drizzle Studio; cut Text-to-SQL and routed schema changes to the build agent as drafts, never straight to the database
- Took **Atoms CLI 0→1** (Python/TypeScript) so coding agents can create and deploy apps without a GUI; two internal tools now run on it
- Spec'ed **Browser Test**, human-takeover case included, and shipped its panel: after a build, a real browser clicks through the generated app, and a person takes over the session when login or MFA stops the agent

ParroTao | AI running coach, 250+ active runners

Founding AI Engineer, one of three leads

Sep 2025 – Aug 2026

- Owned a coaching agent that proposes plans athletes approve, and built its **evaluation harness** (52 cases on real production data, no mocks), which caught it inventing workouts and features it lacked; fixed by grounding every claim in evidence
- Built **hybrid RAG** (dense + sparse) that abstains when unsure; cut LLM query rewriting on held-out tests: **+6.9s p95**, zero gain
- Traced athletes' reports that the agent got their training wrong to inputs cut before the model saw them, such as a silent 30-row cap it read as a week with no training; tool results now state their coverage and fit 68 records in **5.2k tokens** instead of 27.5k, none dropped

Fluentide | AI Chinese-listening app, 2,000+ learners

Founding Product Engineer

Hangzhou, China

Jun 2026 – Aug 2026

- Co-built an app that **LLM-rewrites daily news to each learner's HSK level**: 1,500+ episodes, 30% of registered learners back within 7 days
- Codified episode production into a TypeScript pipeline: LLM script → **LLM review** for unnatural spoken Chinese → MiniMax TTS
- Reworked the HSK pages around search intent: monthly search clicks **quadrupled** (806 → 3,251) and web signups rose **53%**

Hangzhou Lika Rigging | Industrial webbing manufacturer

Computer Vision Engineer, forward-deployed (Contract)

Hangzhou, China (Hybrid)

Aug 2022 – Oct 2023

- Deployed Python **computer-vision defect inspection** on \$40-class edge boards, trained on defect-free offcuts of each webbing type because the factory's defect labels were unusable; **patent granted 2025**
- Rolled it out from a 3-loom pilot to **20 loom stations** (about 20,000 m of webbing a day) over **15+ plant visits**, retuning the stop rule after operators rejected a false stop every 3 minutes
- Co-wrote the spec the factory signed off and built the plant screen the manager asked for, now how they count production

PROJECTS

GamerAstra | Multi-agent VLM system, first author

2024 – 2025

- Made 2D games playable for blind and low-vision players with no per-game code; **97.6%** object detection, tested with 8 BLV players

HarmonyCut | ACM CHI 2025 oral, co-first author

2024

- Turned 7 user interviews into a design space and a generative paper-cutting system; 16 users found related patterns **61%** more easily

wnr | Focus timer, open source

2019 – Present

- Created and maintain a cross-platform timer: 80+ releases over seven years, **1,000+ GitHub stars**, **#3 Product of the Day** on Product Hunt

SKILLS

Programming Languages: TypeScript/JavaScript, Python, SQL, Java, C/C++

Applied AI: agents and tool-use, MCP, Claude Code skills, RAG and vector search, evaluation harnesses, speech/TTS APIs, computer vision

Stack: React, Next.js, Vue/Nuxt, Node.js, Spring Boot, Electron, Postgres, Supabase, REST APIs

Testing & DevOps: JUnit, Playwright, Vitest, pytest, GitHub Actions CI/CD, Docker, Vercel, Linux, Git, Sentry, PostHog