

Jiaxiang Jin (Leo)

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Full-stack software engineer · Seeking a Summer 2027 software engineering internship

EDUCATION

Las Positas College

Livermore, CA

A.S. in Computer Science (in progress); planned transfer to San José State University

Expected B.S.: May 2030

Coursework: Computing Fundamentals I (C++), Calculus I-II; in progress: Computing Fundamentals II

PROJECTS

Rocket Landing RL | [Live demo](#) | [GitHub](#)

Oct. 2026

Python, PyTorch, NumPy, Gymnasium, GitHub Actions

- Trained a from-scratch PyTorch PPO agent that lands **98.8%** of 500 unseen starts (mean of 20 seeds; 19 of 20 above 90%), up from 70.5% with a fuel-aware reward.
- Raised training success from 27.6% to 95.0% by fixing observation scaling, then traced the remaining collapses to fuel exhaustion.
- Built the 2D physics simulator from scratch, plus a leak-proof held-out evaluation that reports failed seeds too, 120+ tests with CI, and a live replay viewer.

C++ Search Engine | [GitHub](#)

Oct. 2026

C++17, CMake, SQLite, libcurl, multithreading

- Built a document-search engine with an inverted index, versioned persistent indexes, and exact, fuzzy, and synonym-aware queries, benchmarked against a linear-scan baseline.
- Benchmarked on 5,950 Wikipedia articles (74.5 MB): worker-local indexing cut peak RSS 14.6% (1.04 GB to 892 MB) and parallel build time from 496 ms to 434 ms.
- Added PDF, web, and SQLite ingestion, a localhost browser UI, and GitHub Actions CI on Ubuntu and macOS.

Sonder | imsonder.com | [GitHub](#)

Aug. 2026 – Present (live)

React Native, Expo, TypeScript, Supabase, PostgreSQL, Vercel

- Built and shipped a full-stack car-history app solo; designed the PostgreSQL schema around ownership periods so a car's history transfers to each new owner while sellers keep authorship.
- Integrated the NHTSA vPIC API into VIN onboarding to autofill year, make, model, engine, and trim; added authentication and serverless endpoints.
- Enforced access control with 70+ row-level security policies across 21 tables, verified by 41 automated permission checks that run after every migration.
- Found and closed a security hole where anyone could claim a just-sold car by its VIN and read the seller's history; history now moves only through a seller-initiated hand-over.
- Built unread-message email alerts entirely inside Postgres (pg_cron, pg_net, Resend), with rate limits and one-click unsubscribe tokens.

EXPERIENCE

IT Support Technician

Feb. 2026 – Present

Five Star Networking

Livermore, CA

- Deployed on-site at Meta corporate offices, resolving hardware, network, and infrastructure issues.
- Resolve 95%+ of issues for 100+ end users: Windows and macOS systems, VPN, printers, and Active Directory access.

TECHNICAL SKILLS

Languages: C++, Python, TypeScript, JavaScript, SQL (PostgreSQL)

Concepts: Concurrency, performance benchmarking, data modeling, REST APIs, automated testing, access control, reinforcement learning, experiment design

Technologies: PyTorch, NumPy, Gymnasium, CMake, SQLite, libcurl, React Native, Expo, Supabase, PostgreSQL, Git, GitHub, GitHub Actions, Vercel

AI-assisted development: Claude Code, Codex, Cursor, Weave Router