David Jiang

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Education

University of Wisconsin-Madison GPA 3.8 — Madison, WI
BS in Computer Science and Math — *Aug 2021 – May 2025*

Experience

Forward Deployed Software Engineer — Jan 2026 – Present
Ramp — *New York, NY*

- Stabilized Temporal workflows powering on-demand demo account provisioning by redesigning retry/idempotency; reduced failure rate from 20% → 5% and cut end-to-end setup from 75 → 40 min
- Shipped a sales-call analysis agent that ingests Gong transcripts of demo calls, clusters objections and missed feature mentions, and delivers Slack digest to GTM leadership.
- Built Ramp's first international demo environments (Canada, UK, EU), extending a US-centric stack to support multi-currency payments; unblocked Ramp's first non-US GTM motion and supported $1.4M ARR closed within the first month of launch.

Forward Deployed Software Engineer — Jan 2025 – Jan 2026
Uncountable (YC S16) — *New York, NY*

- Embedded directly with enterprise R&D teams to translate ambiguous scientific workflows into production software, delivering custom, client-facing solutions under tight timelines.
- Extended and optimized Uncountable's RESTful API (FastAPI) to support customer-specific ingestion and data models, reducing average response latency by 25% and improving ingestion reliability.
- Rapidly prototyped and deployed pilot features and internal tools using Flask, React, PostgreSQL, and TypeScript to validate requirements with customers before platform hardening.
- Owned development of internal devops CLI tools to pull and restart Docker pods in AWS and Azure in enterprise VPC deploys
- Designed and automated customer-specific ETL pipelines for experimental and production data, processing 10M+ records across 50+ customers with minimal manual intervention.

Software Associate Director — Aug 2023 – Jun 2025
Wisconsin Music Union Directorate — *Madison, WI*

- Directed a software team in developing a Django, PostgreSQL, and AWS backed website enabling live campus radio streaming and event scheduling.
- Implemented AWS EC2 instances for backend hosting, S3 for audio storage, and CloudFront CDN for low-latency streaming and announcements.

Projects

Sentinel / Sage | *Python, Claude, PostgreSQL, FastAPI* — May 2026

- Built a pair of integrated Discord bots: Sage, a personal life assistant handling calendar, email, reminders, news, and uptime monitoring, and Sentinel, an autonomous engineering bot that picks up GitHub issues, writes/reviews code, and self-deploys.
- Designed an LLM orchestrator routing natural language through Claude Sonnet with structured action blocks, and a Haiku-based triage layer for error classification and ticket dispatch between the two bots.

SciBowl.Live | *Django, PostgreSQL, React, TypeScript, AWS S3, Tailwind, Vercel* — May 2025 – Present

- Built and deployed the full-stack platform powering the National Science Bowl ecosystem: a tournament hub, the circuit's largest invitational packet archive, and **MoSS**, an event-sourced moderating app that cuts staffing to one person per room while streaming live scores to the public site.
- Designed a multi-app monorepo with two React/TypeScript frontends on Vercel, a **Django** REST backend on Railway, **PostgreSQL** on Supabase, and AWS S3 for game-state snapshots; modeled tournaments, packets, scoresheets, buzzpoint events, and per-player stats pipelines.
- Adopted by Stanford, Johns Hopkins, and Davidson Academy to run their invitationals; serves hundreds of daily users across the 2025–26 NSB season.

DayTour | *Django, PostgreSQL, React, JavaScript, Gemini* — May 2024

- Built an interactive travel planner leveraging the Traveling Salesman algorithm to optimize daily itineraries.
- Utilized Gemini and the Google Maps API to provide good itineraries for trips