

# JIAJUN (NICK) HUO

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## EDUCATION

<b>University of Illinois Urbana Champaign</b>	Aug 2024 – May 2026
<i>Master of Science in Information Science (STEM)</i>	<i>Urbana, IL</i>
GPA 3.86/4.0 · Distributed Systems & Database Systems & Applied Machine Learning · U.S. News #1 Information Systems	
<b>Shenzhen University</b>	Sep 2019 – Jun 2023
<i>Bachelor of Science in Mathematics</i>	<i>Shenzhen</i>
GPA 3.79/4.50 (Top 10 %) · 2× merit scholarships · 4 national awards in ML modeling (supply-chain, finance, computer-vision)	

## WORK EXPERIENCE

<b>H60 Consulting</b>	Aug 2025 – Present
<i>Software Engineer, Capstone</i>	<i>Remote · Chicago HQ</i>

- Deployed AI chatbot for airline pilots to accelerate access to flight data, directly addressing operational workflow gaps
- Implemented CI/CD on AWS with GitHub Actions, cutting deployment time by 70% and increasing release frequency
- Designed LangSmith tracing + closed-loop eval (LLM-as-a-Judge), achieved 100% PR coverage, regressions flagged 24 h
- Engineered a secure, full-stack login page (Next.js/Tailwind) implementing JWT auth logic via Next.js API Routes

<b>Donut Labs</b>	Jun 2025 – Aug 2025
<i>Software Engineer Intern – 1st AI Agentic Crypto Browser (Sequoia-backed)</i>	<i>Remote · NYC HQ</i>

- Governed MCP tool-use across 46 actions with enforced OpenAPI contracts and rollout guards, raising task success 22%
- Engineered a context reuse strategy with Redis caching for model intermediate states, cutting GPU costs by \$2K/month
- Built a self-improving RAG pipeline with data flywheel on LanceDB, decreasing real-time per-tweet analysis costs by 86%

<b>Sonic SVM</b>	Mar 2023 – Jul 2024
<i>Software Engineer, Data Infra – Bitkraft-backed SaaS for game studios</i>	<i>Shenzhen</i>

- Launched a self-service analytics platform on GCP with Looker, enabling product teams to answer 80% of data questions
- Scaled data ingestion 10x using Kafka & Spark to support 200% user growth and international product expansion
- Automated ETLs with Airflow & dbt, cutting daily processing time from 4 hours to 15 mins and saving \$7K+ monthly
- Built monitoring with Prometheus & Grafana, reducing critical data incident response time from hours to under 5 minutes

<b>Baidu</b>	Apr 2022 – Jul 2022
<i>Software Engineer, ML Intern – Premier AdTech Platform with 10,000+ Global Partners</i>	<i>Shenzhen</i>

- Drove 3x ad revenue growth to \$200K/month in 3 months by optimizing traffic arbitrage for emerging publisher clients
- Conceived 4+ AB testings across user lifecycle to supercharge AARRR metrics, boosting daily new user 1.5x in 1 month
- Established core user profiles for Snapchat ad channel using K-Means clustering, enhancing ad conversion rates by 9.23%

<b>Tencent</b>	Nov 2020 – May 2021
<i>Technical Product Manager Intern – The largest WeChat ecosystem platform for universities</i>	<i>Shenzhen</i>

- Drove the full SDLC for campus app, mitigating risks and unblocking dependencies to launch from scratch in 12 weeks
- Translated product requirements into technical specifications for a real-time notification system serving 50k+ students

## PROJECTS

<b>BiteMatch</b>	Recipe recommender (Top 10% in class), optimized YouTube API calls via Redis caching and quota-aware
<b>Focus Farm</b>	Built a vision-based focus tracker using Gemini 3 Vision to process live streams and map user behaviors
<b>miaodiapp.com</b>	Defined the 0-1 product roadmap of the cross-platform note-taking app with 103k+ downloads

## SKILLS

<b>Languages</b>	Python, TypeScript/JavaScript, Go, SQL, Java, Scala, Rust, Swift, HTML, CSS, Bash/Shell
<b>Technologies</b>	Backend: Django, Node.js   Frontend: React, Next.js, Tailwind   Data: PostgreSQL, MongoDB, Redis
<b>Cloud/DevOps</b>	AWS (EC2, RDS, S3, Lambda), Git, Linux/UNIX, Terraform, Docker, Kubernetes, Kafka, Prometheus