

YINCHENG ZHOU

3333 Walnut Street ◊ Philadelphia, PA 19104

(267) 788-2488 | yzhou29@seas.upenn.edu | github.com/ArtysicistZ | [artysicistz.github.io](https://github.io/Artysicistz.github.io)

EDUCATION

University of Pennsylvania

Vagelos Integrated Program in Energy Research (VIPER)

September 2025 - Present

Expected Graduation: May 2029

- Dual Degree: B.S.E. in Computer & Information Science (AI Concentration) | B.A. in Physics & Astronomy
- Relevant Coursework: CIS 5450 Big Data Analysis, CIS 2400 Computer System, CIS 1210 Data Structure & Algorithm
- GPA: 4.0 / 4.0

EXPERIENCE

Franklink, Inc. (franklink.ai)

Founding Software Engineer

October 2025 - Present

Philadelphia, PA

- Built an iMessage-based networking assistant end-to-end that helped the team secure \$200K+ in funding.
- Implemented planner-to-worker multi-agent routing with retrieval + persisted user state using LangGraph; improved request success rate to 92% on internal evaluation suite.
- Designed permissioned tool execution for DB/email/calendar actions to enable safe personalized matching.
- Engineered a Kafka-backed event pipeline for LLM-heavy messaging with at-least-once delivery, idempotency keys, and retry topics (backoff) + DLQ; supported 1,000+ users and 50+ concurrent sessions while keeping p95 end-to-end latency within 30% of single-session baseline.
- Containerize services and design test/deploy workflows; ship on AWS ECS.

Kaixin Technology Co.,Ltd.

Software Engineering Intern

December 2025 - January 2026

Nanjing, China

- Engineered an NL2SQL service with SQL-first RAG with controlled execution (read-only, allowlisted tables); exposed FastAPI endpoints that stream SQL, reasoning, and chart-ready results into a production fintech terminal.
- Developed a data-asset pricing workflow using Analytic Hierarchy Process (AHP) + human-in-the-loop review, reducing analysis time by 30% and improving re-run consistency by 50%.

PROJECTS

AlphaOne

Tech Stack: React, Vite, FastAPI, SQLAlchemy, PostgreSQL, spaCy, FinBERT

October 2025 - December 2025

- Built a full-stack ticker sentiment dashboard with trend charts, ticker search, and evidence drilldown.
- Implemented a reproducible, on-demand Reddit to Postgres pipeline with rate-limit handling, deduped upserts, and schema/indexing for fast time-series queries.
- Added NLP enrichment (spaCy topic/entity tagging + FinBERT sentiment inference) and exposed chart-ready aggregation endpoints for the UI.

ACHIEVEMENTS

Team China, Finalist, International Science and Engineering Fair (ISEF)

National Second Prize, China Physics Olympiad (CPhO)

Champion, Start-up in a Weekend Hackathon, Photon Hybrid Intelligence Track

SKILLS

Languages C++, Java, Python, JavaScript, OCaml, SQL

Frameworks LangGraph, Google ADK, Kafka, React, Node.js, FastAPI

Databases MySQL, PostgreSQL, Pandas, Polars

Cloud AWS, Docker