Yujia Huang

yujia.huang2024@gmail.com | personal website: yujiahuang.vercel.app

PROFILE

Finance major (International Experimental Class in Economics and Management) with a strong background in investment strategies and blockchain technologies. Achieved over 300% returns through discretionary trading and provided consultancy to WorldQuant Brain. Experienced in mathematical modeling, full-stack development, and in-depth evaluation of 10+ cryptocurrency projects. Passionate about interdisciplinary innovation at the intersection of finance, computer science, and AI.

EDUCATION

2023.9- Present	Southwestern University of Finance and Economics	Bachelor

SKILL

English	Experienced	Chinese	Experienced	VBA	Beginner
Java	Skillful	MySQL	Skillful	Python	Beginner

INTERNSHIP

2024.1-2024.4	China Blockchain Research Center, Southwestern University of Finance and Economics	Analyst

- Conducted investment research on modular Layer 2 projects like Manta, creating a six-dimensional evaluation framework (Executive Summary, Market Overview, Project Introduction, Investment Highlights, Valuation, and Risk Factors).
- Analyzed on-chain data, market indicators (e.g., L2 dominance at 77.2%, Celestia's 450% market cap growth), and project fundamentals to form a "cautiously optimistic" investment outlook.
- Proposed strategic asset allocation, continuously tracked market fluctuations and ZK ecosystem developments to identify technical risks and entry opportunities, achieving simulated returns over 50%.

PROJECT

2025.3-2025.4	Quantitative backtesting platform	Full-stack Developer

Built a cloud-native quantitative platform on Sealos to support strategy design, backtesting, simulated trading, and data orchestration. Utilized Cursor and AI-assisted tools to streamline full-stack development and deployment.

Responsibilities:

- Built frontend with Vue 3 + TypeScript; Developed key modules and integrated charting & dark/light theme systems.
- Developed Node.js backend with WebSocket support; enabled sandboxed strategy execution and realistic backtesting API.
- Optimized performance with virtual scrolling, lazy loading, and PostgreSQL sharding + caching.
- Implemented strategy versioning, task scheduling, and CI/CD with monitoring for stable operations.

Achievements:

- Supported 30+ indicators and 6 strategy types; 500+ daily backtests with <50ms latency.
- Boosted frontend FCP to 0.7s and backend QPS to 1500+; Lighthouse score reached 92.
- Maintained 99.95% uptime; AI-assisted coding enhanced development efficiency

AWARDS

2023.8-2023.9	WorldQuant Brain Infinity Champions 002 - Alphathon 2023	Global 3rd

- Constructed a 50+ alpha-factor library through heterogeneous data fusion and multi-factor modeling.
- Implemented dynamic position sizing via nonlinear optimization algorithms; achieved a Sharpe ratio of 1.9+.

COURSES

2024.8-2025.9	Mathematics for Machine Learning: Linear Algebra	Coursera
2024.12-2025.1	Probability & Statistics for Machine Learning & Data Science	Coursera
2025.1-2025.2	Calculus for Machine Learning and Data Science	Coursera