

HONGWEI ZHONG

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EDUCATION

New York University

Master in *Quantitative Economics*

• **Honors:** 3.83 / 4.0 GPA

• **Courses:** Advanced Mathematical Economics, Stochastic Calculus and Asset Pricing, Financial Computing(C++), Machine Learning

New York, U.S.A.

Sep 2025 – Present

Southwestern University of Finance and Economics

Bachelor of Economics in Economics (*minor in Finance*)

• **Honors:** 3.89 / 4.0 GPA, Top 5% of the class

• **Courses:** Data Structures and Algorithms, Game Theory, Python Programming, Operational Research, Database System

Chengdu, China

Sep 2017 – Jun 2021

WORK EXPERIENCE

Kronos Research

Quantitative Researcher (*Internship*)

• Exploring alpha signals in Prediction markets.

• Developing high-frequency trading systems, enabling data recording, replaying, backtesting, and paper/live trading.

• Utilizing on-chain data and alternative data sources for quantitative research and risk management.

Remote

Dec 2025 – Present

Algobeats

Quantitative Researcher (*Full-time*)

• Researched and implemented exotic options pricing models in digital asset markets; developed a trading strategy achieving over 200% annualized return in live trading environment.

• Built and optimized high-frequency trading models using tick-level data, including latency and microstructure analysis.

• Developed a CTA strategy backtesting framework and conducted systematic trading-data statistical analysis to support strategy design.

Chengdu, China

May 2024 – Aug 2025

Renmin University of China

Researcher – National R&D Project of China on "Data Factor Market Based on Blockchain Technology"

• Led literature review on blockchain and data factor markets; synthesized key macroeconomic modeling paradigms.

• Proposed a Bayesian game framework; found welfare gains from allocating data property rights to high-value-growth entities.

Beijing, China

Jul 2023 – Mar 2024

Tsinghua University

Data Analyst – Hydrogen-Powered Vehicle Big Data Analysis and Visualization

• Migrated vehicle simulation models from MATLAB to Python; integrated into a real-time analysis platform.

• Processed sensor data using Hadoop and conducted statistical visualization with Python.

Beijing, China

Jun 2021 – Aug 2021

LEADERSHIP AND ACTIVITIES

Summer Program on Behavioral Economics

Team Leader

• Completed coursework on Behavioral Economics and Game Theory with A+ grade.

• Designed a theoretical model and experimental framework on belief updating in Bayesian games.

University of Oxford, U.K.

Jul 2022 – Aug 2022

SELECTED HONORS AND AWARDS

Best Graduation Thesis Award

Issued by *Central University of Finance and Economics*

• Verifier's Dilemma: A Game-Theoretic Analysis of Blockchain Layer-2 Scaling Solutions

• Incorporated game-theoretic modeling to analyze the incentives and challenges of blockchain layer-2 solutions.

Beijing, China

May 2024

Outstanding Paper in the Conference of Evolutionary Game Theory and AI

Issued by *Beihang University*

• Reported on the "Public Welfare Analysis Based on Multiplied Dictator Game and Ultimatum Game".

Beijing, China

Jul 2023

SKILLS, LANGUAGES, INTERESTS

• **Languages:** Chinese (Native), English (GRE 328), Japanese (Jtest 698)

• **Programming:** Python, C++, SQL, R, Git, LaTeX

• **Interests:** Swimming, Anime, Reading Non-fiction, R&B, OST and Jazz Music

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