



🎓 Education

University of Science and Technology of China (USTC) B.Sc. in Statistics Sep 2024 – Present
GPA: 3.24 / 4.30 | Core Courses: Mathematical Analysis, Probability Theory, Mathematical Statistics, Data Structures, Mathematical Foundations of AI

🏆 Awards

- Excellent Student Scholarship (Bronze) (2024–2025 Academic Year)
- Oushinan Scholarship (School-level) (2024–2025 Academic Year)
- Outstanding Freshman Scholarship, USTC (University-level) (2024)
- "Zhizhidao" Geek Center Outstanding Member (2025–2026, 4 times)
- College Students Mathematical Ability Competition (CMC), Anhui Division, Non-Mathematics Group, Third Prize (2025)

🏢 Research & Projects

Undergraduate Innovation Project Project Leader May 2026 – May 2027

- Investigating originality metrics for LLM-generated Alpha factors; proposed a multi-dimensional similarity framework (expression, numerical, semantic, economic) with regularization to suppress redundant factors.
- Building factor generation and evaluation pipeline using Qlib + DeepSeek API; reproducing AlphaAgent baseline.
- Leading team formation, technical roadmap design, and member training.

2025 Quantitative Trading Research Contest — USTC × Fudan University × Shanghai Jiao Tong University Team Member Jul 2025 – Dec 2025

- Built Python trading strategies and a backtesting framework using multi-instrument futures historical data; evaluated strategy returns and risk metrics on the test set.
- Refined the strategy through parameter tuning and multiple rounds of iteration to validate model robustness on the test set; advanced to the final round.

USTC "Zhizhidao" Quant Project Core Member Mar 2025 – Present

- Developed a factor library & backtesting framework for futures strategies, supporting multi-factor evaluation and comparison; factors included price-volume, momentum, and volatility factors.
- Built an XGBoost-based trading decision model achieving 21.5% annualized return with max drawdown under 10% on historical data.
- Contributed to the text-processing module of a multimodal model developed in the lab: performed financial text cleaning, VSM feature matrix construction, and sentiment analysis, and built text-based factors from the resulting feature matrix.

Quant-Lab: Quantitative Research Platform Solo Developer

Feb 2026 – Present

- Independently designed and developed a modular quant research platform covering data acquisition, factor construction, backtesting, and performance visualization.
- Applied machine learning methods and statistical arbitrage approaches to strategy research and backtesting validation, iterating on factors and models.
- Adopted engineering best practices: config-driven management, unit testing, and technical documentation.

 Student Activities

- President, Student Union, School of Management, USTC (School-level) Jun 2025 – Jun 2026
 - Managed union operations and events; liaised with faculty
 - Coordinated with school administration and faculty on student affairs and policy implementation
- Member, 30th Student Union Committee, USTC (University-level) May 2026 – Present
- Volunteer, Campus Admission Team, USTC Nov 2024 – Present
- Officer, News & Publicity Department, Student Union Sep 2024 – Jun 2025

 Skills

- Programming: Python (pandas, numpy, scikit-learn), C/C++
- Data & Modeling: SQL, factor modeling, strategy backtesting, Qlib, XGBoost
- Tools & Platforms: Git, Conda, Jupyter Notebook, uv
- Documentation: $\text{\LaTeX}$, Markdown, Zotero
- Languages: CET-4 (511/710)