Xin He

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Employment

2022 - **Hunan University**
Assistant Professor, College of Finance and Statistics

Education

2018 - 2022 **City University of Hong Kong**
Ph.D. in Management Sciences
Advisor: Prof. Guanhao Feng, Prof. Junbo Wang

2014 - 2018 **Shanghai Jiao Tong University**
B.S. in Industrial Engineering

Research Interest

Machine Learning in Finance
Financial Technology, Textual Analysis, Quantitative Finance

Publication

1. "The Bright Side of Cross Ownership: Evidence From the Corporate Resilience to COVID-19 Crisis in China" with Yihui Chen and Haoyuan Wei. Forthcoming, International Review of Finance, 2024.

Working Paper

Nov. 2023 **Growing the Efficient Frontier on Panel Trees**
- with Lin William Cong, Guanhao Feng, and Jingyu He.
- R&R, Journal of Financial Economics.
- Presented at WFA, NFA, GSU-RFS FinTech, UFlorida Machine Learning in Finance.
- INQUIRE Europe Research Grant Award 2022, IQAM Research Award 2024.

May. 2024 **Predicting Individual Corporate Bond Returns**
- with Guanhao Feng, Junbo Wang, and Chunchi Wu.
- R&R, Journal of Banking and Finance.
- Presented at AFBC, FMA, CIRF.

May. 2024 **Information Value in Share Pledging: Evidence from China Stock Market**
- with Chuanglian Chen, Guanhao Feng, and Haonan Wang.
- Submitted.

Dec. 2022 **Benchmarking Individual Corporate Bonds**
- with Guanhao Feng, Junbo Wang, and Chunchi Wu.
- In Revision.
- Presented at SoFiE Summer School at NYU SH, CFAM, CIRF, AFBC, NZFM.

Reference

Guanhao Feng (advisor)
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Grant

2024 - 2027 **General Program at NSFC**
- Co-Investigator, with Yong Ma (PI). The theoretical mechanism of jump aggregation and its asset pricing implications: based on the extrapolation bias perspective.

2024 - 2027 **General Program at NSFC**
- Co-Investigator, with Pengfei Luo (PI). Research on the theory of dynamic corporate finance under the flexible workforce empowered by digital technology.

2023 **Education Reform Research Project for Hunan Province Higher Education**
- Co-Investigator, with Guohao Tang (PI). Research on the application of artificial intelligence technology to financial teaching reform and development.

2023 - 2025 **General Research Fund at Hong Kong Research Grants Council**
- Co-Investigator, with Jingyu He (PI) and Guanhao Feng (Co-I).
- Regression Tree for Portfolio Optimization and Imbalanced Data.

2022 - 2023 **Research Grant at INQUIRE Europe**
- Co-Investigator, with Jingyu He (PI), Will Cong (Co-I), and Guanhao Feng (Co-I).
- Asset Pricing with Panel Tree under Global Split Criteria.

2022 - 2024 **General Research Fund at Hong Kong Research Grants Council**
- Co-Investigator, with Guanhao Feng (PI), and Junbo Wang (Co-I).
- Textual Analysis of Corporate Bond Market.

Award

2024	IQAM Research Award
2024	Best Paper Award, Session for Corporate Finance and Accounting, 10th Jingshi Scholar Forum, Tsinghua University
2023	Outstanding Advisor for Undergraduate Thesis, Hunan University
2022	INQUIRE Europe Research Grant Award
2021	Best Paper Award, Graduate Student Forum on Economics & Finance, Antai College, SJTU
2021	College of Business PhD Student Conference Grant, City University of Hong Kong
2018-2022	Ph.D. Studentship, City University of Hong Kong
2016	Second Prize, National Contest of Industrial Engineering Applications, Tsinghua University
2015,2016,2017	Academic Excellence Award, Shanghai Jiao Tong University

Teaching

Hunan University

* Students' evaluation in the parentheses.

- Simulation and Experiments in Financial Engineering. 2023 Summer (None)
- Fixed-Income Securities. 2023 Autumn (98.00/100)
- Behavioral Finance. 2023 Autumn (97.73/100)

CityU Hong Kong

- Tutorial
  - Business Statistics. 20/21, 21/22
  - Statistical Modeling in Finance and Economics. 19/20
- Teaching Assistant
  - Business Statistics. 21/22
  - Stochastic Operations Research. 19/20
  - Statistical Modeling in Marketing. 18/19, 19/20
  - Statistical Modeling in Finance and Economics. 18/19, 19/20
  - Operations Management. 18/19

Service

Ad Hoc Referee	European Financial Management, Financial Innovation (x3), Journal of Empirical Finance, Quantitative Finance (x2); Artificial Intelligence Review, Annals of Operations Research, Asia-Pacific Journal of Accounting and Economics, Asia-Pacific Journal of Operations Research, Econometrics and Statistics, International Journal of Theoretical and Applied Finance, Transactions on Intelligent Systems and Technology.
Program Committee	2022, 2024 FMA Annual Meeting
Session Chair	2022 INFORMS Annual Meeting Indianapolis, "Machine Learning in Finance"
Conference Organizer	2023 Workshop on Empirical Asset Pricing, College of Finance and Statistics, Hunan University

Miscellaneous

Programming	Python, R, MATLAB, C++, SAS, Linux, SQL, LaTeX, Microsoft Office
Database	CRSP, Compustat, IBES, TRACE, FISD, Wind, CSMAR
Hobby	Arsenal FC, Sports (fitness, jogging, soccer, basketball, go), Reading (geograghy, philosophy)

Presentation

2024

- Invited Seminar, School of Finance, SWUFE (2024/5, Chengdu)
- Invited Seminar, School of Management, USTC (2024/3, Hefei)

2023

- Invited Seminar, School of Management, Xiamen University (2023/11, Xiamen)
- AI and Big Data in Accounting and Finance Conference, XJTLU (2023/6, Suzhou)
- Financial Econometrics Conference, Lancaster University (2023/3, Lancaster)

2022

- Australasian Finance & Banking Conference, UNSW (2022/12, Online)
- New Zealand Finance Meeting, AUT (2022/12, Online)
- 5th Conference on Big Data, AI, and FinTech, SYSU (2022/11, Online)
- China Finance Annual Meeting, SJTU (2022/10, Online)
- China International Risk Forum, DUFE (2022/7, Online)
- Asian Meeting of the Econometric Society in China, CUHK(SZ) (2022/6, Online)
- 6th PKU-NUS Annual International Conference on Quantitative Finance and Economics, NUS (2022/5, Online)

2021

- Hong Kong Machine Learning Meetup (2021/12, Online)
- China Finance Annual Meeting, Xiamen University (2021/10, Online)
- INFORMS Annual Meeting (2021/10, Online)
- Financial Management Association Annual Meeting (2021/10, Online)
- Seminar, City University of Hong Kong (2021/9, Hong Kong)
- SoFiE Financial Econometrics Summer School "Machine Learning in Finance", NYU SH (2021/8, Online)
- China International Risk Forum, SWUFE (2021/7, Chengdu)
- 37th International Conference of the French Finance Association, Audencia Business School (2021/5, Online)
- 4th China Accounting and Finance Conference, Sichuan University (2021/4, Online)
- Financial Markets and Corporate Governance Conference, La Trobe University (2021/4, Online)
- Camphor Economic Society Seminar Beijing (2021/2, Online)
- Camphor Economic Society Seminar Fujian (2021/1, Online)

Discussion

2024

- “Carbon Risk and the Cost of Debt” at Greater China Area Finance Conference, Xiamen University
- “Investor Sentiment and Cryptocurrency Returns” at Greater China Area Finance Conference, Xiamen University

2023

- “Do Insurers Listen to Earnings Conference Calls? Evidence from the Corporate Bond Market” at XJTLU

2022

- “Abnormal Downside Tail Risk as a Predictor of the Risky Bond Returns” at AFBC
- “Financial Consequences of the Belt and Road Initiative” at NZFM
- “Air Pollution and Bank Loan Pricing” at SYSU conference on Big Data, AI, and FinTech
- “Corporate Bond Pricing Using Interpretable and Arbitrage-Free Deep Learning” at CIRF

2021

- “Manager Uncertainty and the Cross-Section of Stock Returns” at FMA
- “Does Reputation Matter? Evidence on Spatial Competition in China’s Bond Market" at FMCG

2020

- “How should we measure the performance of corporate bond mutual funds? Evaluating model quality and impact on inferences” at FMA

Last Update: July 24, 2024