Hang Jiang

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Research Areas

Data Manipulation; Strategic Fakery; Incentive Design; Platform Operations; Human–AI Interaction and Governance; Blockchain and Digital Assets; Contract Theory; Mechanism Design; Signaling and Screening; Evolutionary Game Theory

Education

National University of Singapore, Department of Information Systems and Analytics

Ph.D. Candidate, Information Systems — 2021–present
Advisor (Referee): Chen Jin
Collaborators (Referees): Luyi Yang, Jussi Keppo

Southern University of Science and Technology, Department of Mathematics

M.S., Probability and Mathematical Statistics — 2017–2019
Advisor: Zhihong Xia

University of Science and Technology of China, *Special Class for the Gifted Young* 🔗

B.S., Statistics — 2012–2016

Working Papers

Hang Jiang, Chen Jin, and Luyi Yang (2024). *Revisiting the First-Order Approach to Principal-Agent Problems.*

- **ORSS Best Student Paper Award** 🔗
- Under second-round review (Awaiting AE Recommendation), *Management Science* (**Major Revision**)
  - Accepted into the 25th ACM Conference on Economics and Computation (EC'24) [on YouTube 🔗]
  - Accepted into the 7th World Congress of the Game Theory Society (GAMES 2024) 🔗
  - Accepted into the Conference on Information Systems and Technology (CIST 2024)

Hang Jiang, Luyi Yang, and Chen Jin (2025). *Managing Sales Agents and Product Returns While Guarding Against Fake Orders.*

- Under review at *Management Science*
  - Will be presented at the 2025 INFORMS Annual Meeting, Job Market Showcase Track

Hang Jiang (2025). *An Implementation Relaxation Approach to Principal-Agent Problems.* 🔗

- Under review at *Operations Research*
  - Presented at 2025 INFORMS International Conference

Hang Jiang, Jussi Keppo (2025). *The Human Roadblock to AI.*

- Submitted

Work In Progress

Hang Jiang, Jussi Keppo, Kimon Drakopoulos (2025). *Data Competition under the AI Flywheel Effect.*

Conference Presentations

2025 INFORMS Annual Meeting, Job Market Showcase Track (Oct 26, 2025, 8:00–9:15, Atlanta)

Next-Gen Scholar's Symposium, Analytics for X Conference 2025 (Sep 2025, NUS) 🔗

2025 INFORMS International Conference (Jul 2025, Singapore)

Information Systems Summer Research Workshop 2025 (Jul 2025, Singapore)

The 7th World Congress of the Game Theory Society (Aug 2024, Peking University)

The 25th ACM Conference on Economics and Computation (Jul 2024, Yale University)

Honors and Awards

ORSS Best Student Paper Award, Singapore 2025 🔗

Finalist, Next-Gen Scholar's Symposium, Singapore 2025 🔗

Research Achievement Award, NUS School of Computing 2024 🔗

Student Travel Grant, ACM EC Conference 2024

Research Incentive Award, NUS School of Computing 2023–2025

NUS Research Scholarship, NUS 2021–2025

Graduate Scholarship, SUSTech, 2017–2019

Outstanding Undergraduate Scholarship, USTC, 2012

Teaching Experience

Teaching Assistant, School of Computing, NUS

- BT4013 Analytics for Capital Market Trading and Investment (2023)
- CS4246/CS5446 AI Planning and Decision Making (2023)
- IS4234 Governance, Regulation, and Compliance Technology (2022)
- FT5003 Blockchain Innovations (2022)
- IS4302 Blockchain and Distributed Ledger Technologies (2022)

Teaching Assistant, Department of Mathematics, SUSTech

- MA117 Calculus I (2018)
- MA212 Probability and Statistics (2017)

Teaching Assistant, USTC

- Calculus I (2015)

Web3 Research Experience

Head of Research at Global Coin Research (2021–2022). 🔗 [Research Talks] 🔗

Selected Articles

Hang Jiang. "Toward a General Model for Proposer Selection Mechanism Design," *Ethereum Research*, Feb 19, 2025. 🔗

Hang Jiang. "A Dynamic Model for Token-gated Clubs," *preprint*, Aug, 2022. 🔗

Hang Jiang. "How Much Liquidity is Needed to Solve Sandwich Attacks," *Global Coin Research*, Mar 17, 2022. 🔗

Hang Jiang. "What Does DAO 2.0 Tokenomics Look Like," *Global Coin Research*, Dec 02, 2021. 🔗