

Siyuan (Bruce) Jin

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EDUCATION

University of Pennsylvania

Visiting Ph.D. Scholar, The Wharton School (OID); Advisor: Prof. Lynn Wu Mar 2026 – Dec 2026 (Expected)

Hong Kong University of Science and Technology

Ph.D. in Management Information Systems; Advisor: Prof. Kar Yan Tam Aug 2022 – Dec 2027 (Expected)

South China University of Technology

B.Econ. in Financial Technology Aug 2017 – Jul 2021

RESEARCH INTERESTS & METHODS

- Topic: Blockchain; AI and Enterprise IT Workforce; Economics of IS
- Method: Natural Experiment, Field Experiment, Survey Experiment, Design Science

PUBLICATIONS

- [1] **Siyuan Jin**, Allen H. Huang, Zitong Li, Kar Yan Tam. “From Mining to Meaning: How Do Blockchain Infrastructure Platforms Respond to Environmental Sustainability Concerns?” [SSRN]
Accepted, Journal of Management Information Systems.
- [2] **Siyuan Jin**, Kar Yan Tam, Yuhang Huang, Qiming Shao, Yong Xia. “From Hype to Strategy: Using Extensional Representation Encoding to Evaluate Quantum Computing’s Business Value.” [DOI]
Accepted, ACM Transactions on Management Information Systems.
Media: [HKUST IEMS Thought Leadership Brief]

PAPERS UNDER REVIEW

- [1] **Siyuan Jin**, Dongwon Lee, Keongtae Kim, Kar Yan Tam. “When K-Pop Meets Blockchain: Consumer Engagement Through Voting in DAOs.” [SSRN]
Revise & Resubmit (2nd round), Information Systems Research.
- [2] **Siyuan Jin**, Ying Hao, Hongfei Li, Keongtae Kim, Kar Yan Tam. “When Supply Lowers Demand: Evidence from Invitation-Only Policy Reform in Digital Asset Marketplaces.” [SSRN]
Revise & Resubmit (2nd round), Information Systems Research.
- [3] **Siyuan Jin**, Lynn Wu, Kar Yan Tam, Yong Xia. “Making Software Quality Contractible: How Algorithmic Quality Scoring Reshapes Software Development.”
Under Review, Management Science.

OTHER COMPLETED PAPERS

- [1] **Siyuan Jin**, Lynn Wu, Wei Thoo Yue, Kar Yan Tam. “Codified Expertise: How Generative AI Changes Temporal Coordination in Distributed Teams.” [Job Market Paper]
Target: *Management Science.*
- [2] **Siyuan Jin**, Janja Brendel, Allen H. Huang, Evgeny Lyandres. “Treasury Trades as De Facto Disclosure: Asset-Pair Signaling and the Information Environment in DeFi.”
Target: *Management Science.*
- [3] **Siyuan Jin**, Haiting Lin, Jinglong Zhang, Jinan Lin, Zike Cao, Liangfei Qiu. “Ambient Information and Selective Entry: Evidence from Mobile Widget Adoption.”
Target: *Information Systems Research.*

CONFERENCE PRESENTATIONS

Codified Expertise: How Generative AI Changes Temporal Coordination in Distributed Teams

- 2026 ISPOC Job Market Paper Presentation, Online
- 2026 Wharton AI Conference, San Francisco
- 2026 INFORMS Annual Meeting, San Francisco
- 2026 Pacific Asia Conference on Information Systems Doctoral Consortium
- 2026 HKUST Information Systems Summer Workshop

Making Software Quality Contractible: How Algorithmic Quality Scoring Reshapes Software Development

- 2026 MISQ Virtual Paper Development Workshop
- 2025 Statistical Challenges in Electronic Commerce Research (SCECR)
- 2024 INFORMS Conference on Information Systems and Technology (CIST)
- 2024 HKUST Business School Ph.D. Conference

How Do Blockchain Infrastructure Platforms Respond to Environmental Sustainability Concerns?

- 2024 MISQ Virtual Paper Development Workshop
- 2024 Greater Bay Area Finance Workshop

When K-Pop Meets Blockchain: Consumer Engagement Through Voting in DAOs

- 2025 HKUST Business School Ph.D. Conference
- 2025 HKUST Information Systems Summer Workshop
- 2024 International Conference on Information Systems (ICIS) [[Best Short Paper Nominee](#)]
- 2024 INFORMS Conference on Information Systems and Technology (CIST)

Seniority, Spillovers, and AI-Enhanced Code Contributions

- 2025 International Conference on Information Systems (ICIS) [[Best Short Paper Nominee](#)]

Ambient Information and Selective Entry: Evidence from Mobile Widget Adoption

- 2026 INFORMS Conference on Information Systems and Technology (CIST)
- 2026 MISQ Virtual Paper Development Workshop
- 2026 China Association for Information Systems ISR Paper Development Workshop

Crisis, Transparency, and Engagement

- 2025 INFORMS Conference on Information Systems and Technology (CIST)
- 2025 Statistical Challenges in Electronic Commerce Research (SCECR)
- 2024 International Conference on Information Systems (ICIS)

Scaling Before Gains: AI Adoption and Team Expansion

- 2026 INFORMS Conference on Information Systems and Technology (CIST)

POLICY & APPLIED PAPERS

- [1] Marc Dordal i Carreras, Kohei Kawaguchi, **Siyuan Jin**, Haicheng Guo. “Consumer Perceptions and Willingness to Adopt rCBDCs before and after the e-HKD Pilot.”
ACM Distributed Ledger Technologies: Research and Practice, 5(2), Article 16. [[DOI](#)]
Media: e-HKD Pilot Programme [[HSBC summary](#)], cited by the [[Hong Kong Monetary Authority](#)].
- [2] **Siyuan Jin**, Kai-lung Hui, Allen H. Huang, Chao He, Chun Wang. “Horizon-Dependent Tourism Forecasting with Multi-Platform Signals: Evidence from Hong Kong.”
In preparation for submission to Tourism Management. [[GLOSITH 2025 Best Paper Award](#)]
Media: Eight news articles at [[Hong Kong Economic Times](#)]

- [3] **Siyuan Jin**, Allen H. Huang (2026). “PQC Migration.” HKMA whitepaper.
Migration path to post-quantum cryptography for financial infrastructure.
- [4] **Siyuan Jin**, Allen H. Huang, and HSBC HK (2025). “Tokenized Deposit.” HKMA whitepaper.
Design and settlement implications of bank-issued tokenized deposits.
- [5] **Siyuan Jin**, Allen H. Huang, Kar Yan Tam, Dong Lou (2024). “Tokenized Form of Money.” HKMA whitepaper.
Comparative framework for tokenized money in Hong Kong’s financial system.

AWARDS, HONORS & GRANTS

- **Grant** PI, National Natural Science Foundation of China (RMB 300,000) 2026–2027
- **Doctoral Consortium** Conference on Information Systems and Technology (CIST) Oct 2026
- **Doctoral Consortium** International Conference on Information Systems (ICIS) Dec 2026
- **Doctoral Consortium** Pacific Asia Conference on Information Systems (PACIS) Jul 2026
- **Best Reviewer Award** International Conference on Information Systems (ICIS) Dec 2025
- **Best Short Paper Nominee** International Conference on Information Systems (ICIS) Dec 2025
- **Best Paper Award** Global Congress of Special Interest Tourism & Hospitality (GLOSITH) Nov 2025
- **Reviewer Workshop** MISQ Reviewer Development Workshop Jun 2025
- **Award** HKUST Young Scientist PhD Program Award (HKD 40,000) Mar 2025
- **Best Short Paper Nominee** International Conference on Information Systems (ICIS) Dec 2024
- **Fellowship** Hong Kong PhD Fellowship (HKPFS) Sep 2024–Jul 2027
- **Finalist** Monetary Authority of Singapore, **Global CBDC Challenge** (Top 5%) Nov 2021
- **Scholarship** China National Scholarship (Top 0.1%–0.2%) 2020

PATENTS

- [1] Bing Zhu, Ziyuan Li, Yong Xia, Mianmian Zhang, **Siyuan Jin**, Kar Yan Tam, Yuhan Huang, Qiming Shao. “Systems and Methods for Quantum Monte Carlo Processing.” U.S. Patent and Trademark Office, **Publication No. US 2024/0428112 A1** (Application No. 18/404,169).
- [2] **Siyuan Jin**, Yong Xia (2026). “Blockchain Transaction Sharding for Improved Transaction Throughput.” U.S. Patent and Trademark Office, **Publication No. US 2026/0004262 A1**.
- [3] Bing Zhu, Yong Xia, Ziyuan Li, **Siyuan Jin** (2026). “Network Analysis Using Optical Quantum Computing.” U.S. Patent and Trademark Office, **Publication No. US 2026/0004178 A1**.
- [4] **Siyuan Jin**, Yong Xia (2024). “Method for Implementing Network Consensus Algorithm.” WIPO, **Publication No. WO 2024/007483 A1**.
- [5] **Siyuan Jin**, Yong Xia (2024). “Transaction Security for Multi-Tier Transaction Networks.” WIPO, **Publication No. WO 2024/007527 A1**.

TEACHING EXPERIENCE

Blockchain: Technology and Economics (Undergraduate Elective)

Spring 2026

Guest Instructor at South China University of Technology

Delivered six guest lectures on blockchain technology, economic incentives, and platform governance.

DBAP 5530: AI in Business (Doctor of Business Administration Course)

Spring 2026

Teaching Assistant for Professor Kar Yan Tam

Assisted with course design, student discussions, assignments, and the evaluation of applied AI projects.

ISOM 2020: Coding for Business (Undergraduate Core Course)

Spring 2024, Fall 2025

Teaching Assistant for Professors Weiyin Hong and Hong Xu

Supported students with programming exercises, held consultation sessions, and assisted with grading.

ISOM 2020 Lab: Coding for Business (Undergraduate Core Course)

Fall 2023

Lab Instructor

Led sessions independently and guided students through programming exercises and coding tasks. **Student feedback (SFQ): 4.27/5** overall satisfaction with teaching and 4.18/5 with the lab sections.

ISOM 2020: Coding for Business (Undergraduate Core Course)

Spring 2023

Teaching Assistant for Professors Weiyin Hong and Hong Xu

Supported students with programming exercises, held consultation sessions, and assisted with grading.

Student feedback (SFQ): 4.16/5 overall satisfaction with teaching and 4.29/5 with the lab sections—above the ISOM undergraduate average (3.9).

SERVICE

• Ad Hoc Reviewer

– **Journals:** Journal of Management Information Systems; Decision Sciences; Communications of the Association for Information Systems; International Journal of Electronic Commerce; Journal of Electronic Commerce Research; Blockchain: Research and Applications; Humanities and Social Sciences Communications (Nature Portfolio); ACM Computing Surveys

– **Conferences:** WITS (2024 ×2, 2025 ×3, 2026 ×1); ICIS (2023 ×1, 2024 ×2, 2025 ×3, 2026 ×1); PACIS (2023 ×1, 2026 ×1); HICSS (2026 ×1); CIST (2026 ×1)

• Seminar Organizer IS PhD Student Seminar Series (40+ sessions) [\[Details\]](#) Feb 2024 – Dec 2025

• Industrial Competition

– 2025 Hong Kong Web3 Ideathon; 2024 HKUST One Million Dollar “AI+” Competition; 2022 Hong Kong Fintechstic NFT & Metaverse Competition

EMPLOYMENT

HSBC Hong Kong

Research Consultant

Nov 2022 – Present

Hong Kong

HSBC Laboratory — Ventures, Innovation & Partnerships

Research Full-Stack Engineer (Annual Top Performer & Role Model, Top 5%)

Jul 2020 – Aug 2022

Guangzhou

REFERENCES

Kar Yan Tam

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Hong Kong University of Science and Technology

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