

XIAONAN FU

u3629117@connect.hku.hk | xiaonan-fu-research.pages.dev | github.com/FU-max-boop



I study how artificial intelligence changes the production and governance of scientific knowledge. My work connects AI-native science, structured verification, agent evaluation and empirical business research through auditable, reproducible workflows.

SELECTED HIGHLIGHTS | Sole-authored RIBAF revise-and-resubmit | Two citable preprints on AI-native science | Two sole-authored papers accepted to non-archival COLM 2026 workshops | Agent evaluation at Tencent

EDUCATION

The University of Hong Kong (HKU) - Hong Kong | Sep 2024 - Jun 2028 (expected)

Bachelor of Economics and Finance (BEcon&Fin) | Majors: Economics and Finance; Mathematics | Minor: Statistics

- CGPA: 3.84/4.30; Dean's Honour List (2024-25)
- GRE: 334 (Quantitative 170/170, Verbal 164, Analytical Writing 4.5); TOEFL: 111

PUBLICATIONS AND SELECTED RESEARCH

Journal Article - Revise and Resubmit | Sole and Corresponding Author

- "Layered Credibility in International Green Bond Issuance: External Review, Issuer Assurance, and Equity-Market Reactions," Research in International Business and Finance, manuscript RIBAF-D-26-01234R1.
- R1 resubmitted Aug 2026 after addressing 37 numbered editor and reviewer comments.
- Built an international event study whose main nonfinancial layer covers 268 events across 55 issuers, with financial-issuer and conventional-bond comparisons and timing, influence and finite-cluster checks.

Conceptual Preprints on AI-Native Science | Sole Author | 2026

- "When Papers Stop Scaling: The Knowledge Abundance Paradox and the Institutional Economics of Scientific Coordination." Conceptual preprint; not peer reviewed. Zenodo. doi.org/10.5281/zenodo.22053957.
- "Beyond Paper-Centric Science: DGP Multiverse Science as an AI-Native Architecture for Scientific Knowledge." Conceptual preprint; not peer reviewed. Zenodo. doi.org/10.5281/zenodo.21988999.

Accepted COLM 2026 Workshop Papers | Sole Author | Non-archival

- "Trace-Use Audits as Measurement: Interventional Evaluation of Post-Training Trace Reliance" - accepted to AIMS.
- "StateBind: Evaluating Executable Agent State Across Context Windows and Handoffs" - accepted to Context Beyond the Window.

SELECTED RESEARCH AND INDUSTRY EXPERIENCE

Tencent - Intern | Jul 2026 - Present

- Contribute to the development and evaluation of next-generation agent systems, with a focus on reliable behavior in large-scale software-engineering settings.
- Build auditable evaluation and analytics workflows over large-scale repository and merge-request data, with explicit aggregation rules, data-quality checks and privacy boundaries.

HKU Centre of AI, Management and Organization (CAMO) - Research Assistant | Oct 2025 - Present

- Co-author a new research manuscript in preparation at the intersection of AI and organizations under Professors Jin Li and Jie Gong.
- Design NLP models and conduct empirical analysis of strategic responses to organizational AI-adoption metrics.

ADDITIONAL EXPERIENCE AND INFORMATION

China Galaxy Securities Co., Ltd. - Research Team Intern | Jun 2025 - Jul 2025

- Contributed research, drafting and Guangdong Province market analysis to *The White Paper on Market Value Management of China's A-share Listed Companies*.

Open-source research engineering

- Eleven verified merged pull requests across nine AI/software repositories, spanning agent reliability, evaluator boundaries, multimodal data handling, retrieval checks and deterministic testing.

Leadership and academic enrichment

- **PEME 2024-25 Mentorship Programme** - Mentor; mentored two secondary-school students from different cultural backgrounds.
- **Cambridge Pembroke Summer Programme** - Participant | Jul 2025 - Aug 2025; completed a self-directed research project.
- **Lead for Life** - Student Mentee; participated in personal-development and peer-support activities.

Technical skills and languages

- Python, SQL, Bash, TypeScript; PyTorch, Transformers, NumPy, pandas and scikit-learn; event studies, NLP, evaluation design and reproducible analysis; Chinese (native), English (fluent).