Yichen Luo

PERSONAL INFORMATION

Final-Year PhD Candidate at the Center for Blockchain Technology, UCL
Email: yichen.luo.22@ucl.ac.uk

RESEARCH INTERESTS

Decentralized Finance, Blockchain Technology, Corporate Finance

EDUCATION

University College London   01/2024 — 12/2026
Ph.D. Candidate, Computer Science

University College London   09/2022 — 06/2023
Master of Science, Banking and Finance

Durham University   09/2019 — 06/2022
Bachelor of Science, Finance

PUBLICATIONS

Finance

1. **Decompose Market Manipulation Strategies: Evidence from On-chain Meme Coin Market**   Working Paper
   with Wenzhi Ding, Jiahua Xu   2025

2. **The Economics of Decentralized Autonomous Organizations**   Working Paper
   with Jiahua Xu, Qiaozhi (George) Ye, Kathy Yuan   2025

3. **Liquidity Position Hedging with Transaction Costs in Automated Market Makers** Working Paper
   with Damien Ackerer, Jiahua Xu   2025

4. **ESG Score, Scandal Probability, and Event Return**   Financial Innovation
   with Wenzhi Ding, Wenya Sun, S.M. Yiu, Luping Yu   2024

Computer Science

1. **Piercing the Veil of TVL: DeFi Reappraised**   Financial Cryptography and Data Security
   with Yebo Feng, Jiahua Xu, Paolo Tasca   2025

2. **Meme Coin Copy Trading: A Multi-Agent Approach with Chain-of-Thought Reasoning**
   Preprint
   with Yebo Feng, Jiahua Xu, Yang Liu   2025

3. **LLM-Powered Multi-Agent System for Automated Crypto Portfolio Management** Preprint
   with Yebo Feng, Jiahua Xu, Yang Liu   2025

TEACHING ASSISTANCESHIP

12/2023 — 06/2024   Blockchain Technologies (UCL Master), by Jiahua Xu

09/2024 — 12/2025   Digital Technologies and Business Strategy (UCL Master), by Paolo Tasca

AWARDS

2025   HTW Berlin Travel Grant

2024   IFCA Student Grant

2023   UCL Computer Science Research Funding (2023—2026)

PRESENTATIONS

2025   Workshop Frontiers in DeFi

2024   Financial Cryptography and Data Security Conference, UCL

2023   UCL

INDUSTRIAL EXPERIENCE

05/2025 — 07/2025   Resident Engineer, XRPL

01/2023 — 01/2024   Research and Development, DLT Science Foundation

06/2020 — 07/2020   International Trade Summer Intern, China Construction Bank

SKILLS

1. **Programming:** Python, Stata, LaTeX, Solidity, JavaScript, HTML, CSS, SQL, MongoDB, SSH
2. **Blockchain:** On-chain Data (EVM, SVM) Fetching and Parsing, Smart Contract Auditing.
3. **LLM:** Pretraining, Supervised Fine-Tuning (SFT), Reinforcement Fine-Tuning (RFT), Agentic Model.

LANGUAGES

English (Fluent), Mandarin (Native)