



Xi Ran (冉熙)

POSTGRADUATE · BLOCKCHAIN & WEB3 RESEARCHER

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"Exploring the intersection of blockchain, Web3, and artificial intelligence."

Education

University of Chinese Academy of Sciences

M.S. IN COMPUTER TECHNOLOGY

Hangzhou, China

Sep. 2024 - Present

- Main Courses: Computer Architecture, Parallel Computing, Natural Language Processing, Introduction to Blockchain, Academic English.
- Research Focus: Blockchain, Web3, Machine Learning, and Natural Language Processing.

Zhejiang Gongshang University

B.E. IN INFORMATION MANAGEMENT AND INFORMATION SYSTEMS

Hangzhou, China

Sep. 2020 - Jul. 2024

- Main Courses: Java Programming, Management Information System, Data Structure, Data Science, Machine Learning, Data Mining and Its Application, Big Data Technology.
- Graduated with honors including National Encouragement Scholarship and First-Class Scholarship.

Skills

Blockchain & Web3	Ethereum, Bitcoin, Solana, Smart Contracts, Hyperchain, Web3 Development, On-chain Analysis
Machine Learning & AI	Natural Language Processing, Deep Learning, GPT-4, Claude 2, PaddlePaddle, TensorFlow
Programming	Python, Java, JavaScript, SQL, C/C++, LaTeX, Android Development
Data & Analytics	MySQL, Data Mining, Big Data Technology, Excel, Statistical Analysis, Quantitative Research
Tools & Platforms	Git, Docker, PyQt5, Android Studio, Doccano, Leancloud, HTML/CSS
Languages	Chinese (Native), English (Fluent)

Experience

Zhejiang University

CRYPTO QUANTITATIVE RISK CONTROL ALGORITHM RESEARCH AND DEVELOPMENT

Hangzhou, China

Oct. 2025 - Present

- Developed a multi-variate fusion risk control algorithm system using agents, incorporating volume-price, sentiment, and on-chain metrics.
- Built an algorithmic risk control platform in Python, including account risk dashboards and strategy management interfaces.

Zhejiang University

QUANT RESEARCH IN CRYPTOCURRENCY

Hangzhou, China

Jun. 2025 - Oct. 2025

- Developed a primary Solana on-chain trading framework triggered by push signals, achieving long-term sustainable profits.
- Built a secondary exchange quantitative news trading framework based on LLM agents, achieving 85% win rate and continuous profitability.

Hangzhou Hyperchain Technology Co., Ltd.

BLOCKCHAIN R&D ENGINEER

Hangzhou, China

Oct. 2023 - Jun. 2024

- Full-stack learning of blockchain technology and architecture.
- Conducted thesis and technology report writing on blockchain applications.
- Performed blockchain industry investment research and market analysis.
- Contributed to Hyperchain deployment, application development, and product testing.

Turing Academy Technology Co., Ltd.

RESEARCH ASSISTANT

Remote, China

Jun. 2023 - Sep. 2023

- Assisted in AI research projects focused on natural language processing.
- Applied Python programming with GPT-4 and Claude 2 for research tasks.
- Contributed to AI model evaluation and optimization.

- Assisted in collecting government-related big data for analysis.
- Conducted big data analysis for government affairs using statistical methods.
- Utilized Excel, Python, and other tools for data processing and visualization.

Extracurricular Activity

Chinese Academy of Sciences Blockchain Association (@opencas_ucas)

CORE MEMBER

- Engaged in blockchain technology innovation and academic exchange activities.
- Collaborated on blockchain research projects and academic papers.
- Participated in technical workshops and seminars on Web3 and blockchain applications.

Beijing/Hangzhou, China

Sep. 2024 - Present

Zhejiang University Blockchain Association (@BlockchainZJU)

CORE MEMBER

- Participated in blockchain-related research and development activities.
- Organized and conducted technical workshops and seminars on blockchain technology.
- Contributed to community building and networking within the blockchain ecosystem.

Hangzhou, China

Oct. 2023 - Present

Association of Employment, Zhejiang Gongshang University

SECRETARY

- Responsible for assisting the school employment office in organizing large-scale job fairs.
- Coordinated career development events and workshops for students.
- Provided support for employment-related activities and initiatives.

Hangzhou, China

Sep. 2020 - Jun. 2021

Zhejiang Gongshang University

COMMISSARY IN CHARGE OF STUDIES

- Guided freshmen in Advanced Mathematics and Python Programming.
- Taught learning skills and study strategies to improve academic performance.
- Organized study groups and peer tutoring sessions.

Hangzhou, China

Sep. 2020 - Sep. 2021

Honors & Awards

INTERNATIONAL

2022 Honorable Prize, Mathematical Contest in Modeling / Interdisciplinary Contest in Modeling (MCM/ICM)

United States

NATIONAL & REGIONAL

2024 2nd Prize, China Post-graduate Mathematical Contest in Modeling

China

2023 2nd Prize, "Challenge Cup" Special Competition - Migration Modelling

China

2023 2nd Prize, Logistics Design Competition

Zhejiang, China

2022 Zhejiang Government Scholarship, Zhejiang Province

Zhejiang, China

2022 3rd Prize, "Challenge Cup" National College Student Business Plan Competition

Zhejiang, China

2022 2nd Prize, National E-Commerce "Innovation, Creation, Entrepreneurship" Challenge Competition

Zhejiang, China

2022 First-Class Scholarship, Zhejiang Gongshang University

Hangzhou, China

2021 National Encouragement Scholarship, Ministry of Education of China

China

2021 3rd Prize, China College Students "Internet+" Innovation and Entrepreneurship Competition

Zhejiang, China

2021 2nd Prize, China Undergraduate Mathematical Contest in Modeling (CUMCM)

Zhejiang, China

Publications

Sun, S.; Ran, X.; Pang, S.; Chen, X.*; Sun, Y.* DataR2E: Research and Prospects on the Value Release of Data Elements in Web 3.0

*IEEE Global Blockchain Conference
(GBC), Shanghai, China*

Jun. 2025

- Conference paper on the value release of data elements in Web 3.0 ecosystem.
- Published in Proceedings of the 2025 IEEE Global Blockchain Conference.

Ju, C.; Shen, Z.; Bao, F.*; Wen, Z.; Ran, X.; Yu, C.; Xu, C. Blockchain Traceability System in Complex Application Scenarios: Image-Based Interactive Traceability Structure

Systems Journal (JCR Q2)

Jun. 2022

- Journal paper on blockchain-based traceability systems with image-based interactive structure.
- Published in Systems 2022, 10, 78. (JCR Q2 Journal)

** indicates corresponding author*