



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

Hangzhou, China

B.E. IN INFORMATION MANAGEMENT AND INFORMATION SYSTEMS

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, Dccano, Leancloud, HTML/CSS

Languages Chinese (Native), English (Fluent)

Experience

Zhejiang University

Hangzhou, China

CRYPTO QUANTITATIVE RISK CONTROL ALGORITHM RESEARCH AND DEVELOPMENT

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

Hangzhou, China

QUANT RESEARCH IN CRYPTOCURRENCY

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.

Hangzhou, China

BLOCKCHAIN R&D ENGINEER

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.

Remote, China

RESEARCH ASSISTANT

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.

Zhejiang Youshu Digital Technology Co., Ltd.

DATA ANALYST INTERN

- 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.

Hangzhou, China

Jan. 2022 - Feb. 2022

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

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|------|---|-----------------|
| 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

- 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

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

* indicates corresponding author