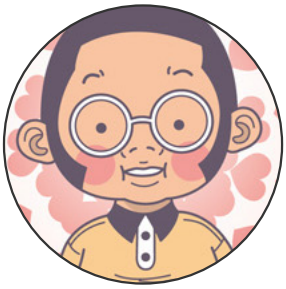

Xi Ran (冉熙)

Postgraduate · Blockchain & Web3 Researcher

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

Education

University of Chinese Academy of Sciences

Hangzhou, China

M.S. in Computer Technology — *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, Doccano, 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. *Hangzhou, China*

Data Analyst Intern *Jan. 2022 - Feb. 2022*

- 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) *Beijing/Hangzhou, China*

Core Member *Sep. 2024 - Present*

- 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.

Zhejiang University Blockchain Association (@BlockchainZJU) *Hangzhou, China*

Core Member *Oct. 2023 - Present*

- 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.

Association of Employment, Zhejiang Gongshang University *Hangzhou, China*

Secretary *Sep. 2020 - Jun. 2021*

- 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.

Zhejiang Gongshang University *Hangzhou, China*

Commissary in Charge of Studies *Sep. 2020 - Sep. 2021*

- 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.

Honors & Awards

International

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

National & Regional

2025 **Second-Class Academic Scholarship**, University of Chinese Academy of Sciences *China*
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*