

EDUCATION

the Hong Kong University of Science and Technology (Guangzhou)
Mphil (AI Thrust) | Advisor: **Prof. Chengwei Qin** and **Prof. Renjing Xu**

Sep. 2025 - Jun. 2027

Xiamen University

BEng in Finance, IUEC (GPA: 3.70 / 4.00 Rank: 7/40)

Statistics (Mathematics and Science), WISE (the Second Degree, Teaching in English)

Sep. 2021 - Jun. 2025

PUBLICATIONS

Unified-MAS: Universally Generating Domain-Specific Nodes for Empowering Automatic Multi-Agent Systems (ACL 2026) Under Review

Hehai Lin, **Yu Yan**, Zixuan Wang, Bo Xu, Sudong Wang, Weiquan Huang, Ruo Chen Zhao, Minzhi Li, & Chengwei Qin.

The 64th Annual Meeting of the Association for Computational Linguistics (ACL 2026)

Under Review

RESEARCH EXPERIENCE

Paradox AI

Guangdong, China

RESEARCH ASSISTANT | @LAI LAB | ADVISOR: **PROF. CHENGWEI QIN** AND **PROF. YUYU LUO**

Mar 2026 - present

• **InfoKnight: Proactively Forecasting Error Gaps for Online Blocking in Autonomous Agent Tool-Use**

Introduction: Evaluation, interpretability, and trustworthy AI: exploring the capability boundaries of LLM in the financial domain.

Contribution: By developing a proactive, small-model-guided Contextual Bandit framework, the model secures financial AI agents against data-retrieval attacks by evaluating the 'Error Gap' between predicted and actual tool outputs prior to execution.

Xiamen University

Fujian, China

RESEARCH ASSISTANT | ADVISORS: **PROF. CHENDI WANG**

Mar 2025 - Jun 2025

• **TCAD: A Real-Time Framework for Stock Market Manipulation Detection Based on Deep Learning**

Introduction: Market Manipulation, Anomaly Detection, FinTech, Unsupervised Deep Learning.

Contribution: By integrating the Transformer architecture with Parallel CNNs to construct the TCAD framework, the model effectively captures both long-term dependencies and multi-scale local features within stock time-series data.

Quantecon

Fujian, China

RESEARCH ASSISTANT | ADVISORS: **PROF. THOMAS SARGENT (NOBEL LAUREATE IN ECONOMICS)**

Oct 2024 - Aug 2025

- Collaborated on building **QuantEcon**, an open-source platform for economic modeling and computational code sharing.
- Supervised by **Matthew McKay** (Chief Developer, Australian National University).
- Developed **parsing mechanisms** to isolate natural language text, enabling lossless extraction and restoration of mixed content containing complex Jupyter Notebook structures, Markdown syntax, and LaTeX mathematical formulas.
- Assisted in **building a large model-driven translation pipeline** to replace traditional machine translation, enabling high-fidelity Chinese-English conversion of lecture notes.

WORK EXPERIENCE

DeepWisdom

Fujian, China

META GPT TEAM | PRODUCT OPERATION-AI AGENTS FOCUS

Mar 2025 - Jun 2025

• **Product Competitor Analysis:**

Introduction: Conducted in-depth analysis of over ten **AI coding tools (such as Cursor, GitHub Copilot, Bolt.new)** and cross-industry AI products (Manus, Perplexity), identifying their **growth patterns** and **user acquisition strategies**.

Result: Increased user attention to the product by raising community engagement by 30% (in Discord, Reddit, and DEV communities), maintaining **MGX's top position** on the Product Hunt weekly leaderboard.

• **User Operation and Work Order Management:**

Introduction: Combined with the work order data of **MGX-BUG-Report**, a 24-hour response SOP for user demand feedback was formed and incorporated into the company's overall product operation process.

GF Securities

Guangdong, China

EQUITY CAPITAL MARKETS (ECM)

Jan 2025 - Feb 2025

- **Roadshow Preparation:** Equity structure analysis and financial competitiveness evaluation. In-depth research on the wire and cable industry.
- **Report Drafting, Interview Coordination:** Report Drafting-Assisted in due diligence for IPO and refinancing projects.

EXTRACURRICULAR ACTIVITIES

2024 **National First Prize**, 18th "Challenge Cup" Competition

Fujian, China

2024 **Provincial Award**, Innovation and Entrepreneurial Training Program

Fujian, China

2023 **Provincial Third Prize**, 2023 National Collegiate Mathematical Contest in Modeling

Fujian, China

SKILLS

English Proficiency

CET-6: 601; IELTS: 6.5

Technology Skills

Python, R, MATLAB