

Zhang Yifei

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EDUCATION

Department of Computer Science and Technology <i>B.Sc. in Computer Science and Technology (FinTech) Top Talent Class</i>	Nanjing University Sep 2020 – Jun 2024
School of Management & Engineering <i>M.Sc. in Financial Engineering and FinTech</i> Supervisor: Prof. Honghai Yu	Nanjing University Sep 2024 – Jun 2027

INTERN EXPERIENCE

School of Data Science <i>Research intern advised by Prof. Benyou Wang</i>	The Chinese University of Hong Kong, Shenzhen Jun 2024 – Mar 2025
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- Following Prof. [Benyou Wang](#) to conduct research on financial LLMs and Agent-based social simulations .

RESEARCH & PROJECTS

UCFE Benchmark <i>Advised by Prof. Benyou Wang, Prof. Honghai Yu and Jimin Huang</i>	Aug 2024 – Jan 2025 <i>Project Leader</i>
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- * Designed and developed the **UCFE Benchmark**, an innovative user-centric financial expertise evaluation framework, addressing the limitations of existing benchmarks **lacking dynamic interaction and multi-turn dialogue**, to test LLMs' capabilities in real-world financial tasks.
- * Led a user survey with 804 participants, gathering feedback on financial task requirements, and constructed a dataset with 330 entries and 17 task types, supporting zero-shot and few-shot multi-turn dialogue evaluation, enhancing the comprehensiveness of the assessment.
- * Utilized **GPT-4o** as a user simulator and employed the **LLM-AS-JUDGE** method to evaluate the capabilities of 11 LLMs, achieving high consistency with human preferences (Pearson correlation coefficient of 0.78), validating the reliability of the evaluation approach.

TwinMarket <i>Advised by Prof. Benyou Wang, Prof. Honghai Yu</i>	Oct 2024 – Mar 2025 <i>Project Leader</i>
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- * Led the development of **TwinMarket**, an innovative multi-agent framework based on the BDI framework, utilizing LLMs to model investor behavior and social media interactions in financial markets, exploring the connection between individual behavior and emergent market phenomena.
- * Developed a scalable market simulation supporting **over 1,000 agents**, successfully replicating key financial phenomena (e.g., fat-tailed returns, volatility clustering), and emergent complex social dynamics such as information cascades and the rise of opinion leaders, achieving high correlation with real-world markets.

PUBLICATIONS

[UCFE: A User-Centric Financial Expertise Benchmark for Large Language Models](#) *NAACL Findings 2025*

Yuzhe Yang*, [Yifei Zhang*](#), Yan Hu*, Yilin Guo, Ruoli Gan, Yueru He, Mingcong Lei, Xiao Zhang, Haining Wang, Qianqian Xie, Jimin Huang, Honghai Yu, and Benyou Wang *arXiv preprint 2410.14059*

[TwinMarket: A Scalable Behavioral and Social Simulation for Financial Markets](#)

Best Paper Award in Financial AI @ ICLR 2025 & selected for *oral* presentation at **ICLR 2025**

Yuzhe Yang*, [Yifei Zhang*](#), Minghao Wu*, Kaidi Zhang, Yunmiao Zhang, Honghai Yu, Yan Hu, and Benyou Wang *arXiv preprint 2502.01506*

HONORS AND AWARDS (SELECTED)

People's Scholarship of Nanjing University	Oct 2021 & Nov 2022
Elite Scholarship, Top Talent Class of Nanjing University (top 30%)	Nov 2021
Excellence Scholarship, Top Talent Class of Nanjing University (top 15%)	Dec 2023
Second Prize, Third "Xueshi Cup" Academic Paper Competition of Nanjing University (top 15%)	May 2024