

Yifei Zhang

(+86)182-5123-9810 | yf_zhang@smail.nju.edu.cn | hoder-zyf.github.io

Education

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

Intern Experience

School of Data Science, CUHK-Shenzhen <i>Research intern advised by Prof. Benyou Wang</i>	<i>Jun 2024 – Mar 2025</i>
ML Group, Microsoft Research Asia (MSRA) <i>Research intern advised by Weiqing Liu and Xiao Yang</i>	<i>May 2025 – Jan 2026</i>

Research & Projects

UCFE Benchmark <i>Advised by Prof. Benyou Wang, Prof. Honghai Yu, and Jimin Huang</i>	<i>Aug 2024 – Jan 2025</i> <i>Project Leader</i>
<ul style="list-style-type: none">* Designed UCFE Benchmark, a user-centric financial expertise evaluation framework addressing limitations of existing benchmarks in dynamic interaction and multi-turn dialogue.* Led survey of 804 participants and constructed dataset with 330 entries across 17 task types; achieved strong human alignment (Pearson 0.78) using GPT-4o simulator and LLM-AS-JUDGE.	

TwinMarket <i>Advised by Prof. Benyou Wang, Prof. Honghai Yu</i>	<i>Oct 2024 – Mar 2025</i> <i>Project Leader</i>
<ul style="list-style-type: none">* Led development of TwinMarket, a BDI-based multi-agent framework using LLMs to simulate investor behavior and social interactions in A-stock financial markets.* Scaled to 1,000+ agents, successfully replicating key financial phenomena (fat-tailed returns, volatility clustering) and emergent social dynamics (information cascades, opinion leaders).	

RD-Agent(10,000 + GitHub stars) <i>Advised by Weiqing Liu and Xiao Yang</i>	<i>May 2025 – Jan 2026</i> <i>Core Contributor</i>
<ul style="list-style-type: none">* MLE: Reframed automated ML engineering from tree search to gradient-based optimization, achieving 35.1% medal rate (SOTA) under closed-world protocol.* MLE: Designed scaling experiments demonstrating that gradient-based methods increasingly outperform tree search as model reasoning capability improves. (<i>Submitted to ACL 2026</i>)* Finetune: Formulated autonomous LLM fine-tuning as joint optimization over data processing and training configuration, extending AutoML to the LLM era. (<i>To be submitted to ICML 2026</i>)	

AI-Trader (10,000+ GitHub Stars) <i>Collaboration with HKUDS Lab, HKU</i>	<i>Nov 2025 – Jan 2026</i> <i>Project Leader</i>
<ul style="list-style-type: none">* Led development of A-share market module, extending the LLM-based trading agent framework to support Chinese equity markets with T+1 settlement, $\pm 10\%$ price limits, and market-specific trading rules. (<i>To be submitted to ICML 2026</i>)	

Publications

UCFE: A User-Centric Financial Expertise Benchmark for Large Language Models
NAACL Findings 2025

TwinMarket: A Scalable Behavioral and Social Simulation for Financial Markets
*NeurIPS 2025 & **Best Paper Award** in Financial AI @ ICLR 2025*

Honors & Awards

People's Scholarship of Nanjing University	<i>Oct 2021 & Nov 2022</i>
Elite Scholarship, Top Talent Class of Nanjing University (top 30%)	<i>Nov 2021</i>
Excellence Scholarship, Top Talent Class of Nanjing University (top 15%)	<i>Dec 2023</i>
Second Prize, Third "Xueshi Cup" Academic Paper Competition (top 15%)	<i>May 2024</i>
China National Scholarship for Master's Students, Nanjing University (top 0.2%)	<i>Oct 2025</i>