

XIANGYUAN XUE

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🎓 Education Background

The Chinese University of Hong Kong

August 2025 - July 2029 (Expected)

Doctor of Philosophy in Information Engineering (Multimedia Laboratory)

Hong Kong SAR, China

- › Funded by the Hong Kong PhD Fellowship Scheme
- › Research Interests: Large Language Models, Multi-agent Systems, Reinforcement Learning

Shanghai Jiao Tong University

September 2021 - June 2025

Bachelor of Engineering in Artificial Intelligence (Honor Class)

Shanghai, China

- › GPA 95.44/100, Rank 1/94
- › A+ Courses: Mathematical Analysis, Linear Algebra, Algorithm Design, Deep Learning, and 34 others

🏆 Selected Honors

Hong Kong PhD Fellowship

April 2025

- › Attracting top-tier students from all over the world to pursue their PhD studies in Hong Kong

Outstanding Graduate in Shanghai

June 2025

- › Awarded to top 5% undergraduate students graduating from universities across Shanghai

National Scholarship (Three Times)

December 2022, 2023, 2024

- › Awarded to top 0.2% students nationwide, funded by the Chinese Ministry of Education

First-Class Academic Excellence Scholarship (Three Times)

December 2022, 2023, 2024

- › Highest academic scholarship awarded to top 1% students in Shanghai Jiao Tong University

⚙️ Selected Publications

ComfyBench: Benchmarking LLM-based Agents for Designing Collaborative AI Systems

Summer 2024

Accepted by CVPR 2025 (First Author)

Advisor: Prof. Wanli Ouyang & Dr. Lei Bai

- › Propose a benchmark for LLM-based agents to autonomously design collaborative AI systems in ComfyUI, along with a well-performing multi-agent framework to solve the tasks. [\[Paper\]](#)

ReSo: A Reward-driven Self-organizing Multi-Agent System for Reasoning Tasks

Spring 2025

Accepted by EMNLP 2025 (Third Author)

Advisor: Dr. Lei Bai & Dr. Zhenfei Yin

- › Propose a multi-agent system which integrates task graph generation with a reward-driven two-stage agent selection process, achieving state-of-the-art performance on reasoning tasks. [\[Paper\]](#)

👛 Internship Experience

Shanghai Artificial Intelligence Laboratory

May 2024 - Present

Trainee Researcher, AI for Science Group

Shanghai, China

- › Research on the topics of large language models and multi-agent systems under the supervision of Prof. Wanli Ouyang and Dr. Lei Bai, producing multiple publications at top-tier conferences.

🍃 Technical Skills

- › **Language:** Chinese (Native), English (Fluent)
- › **Programming:** C++, C# (WinForm), Python (PyTorch), LaTeX