

JINYU XIANG

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EDUCATION

Southwest Jiaotong University
Bachelor, Applied physics

Chengdu, China
2020.9 - 2024.6

PUBLICATIONS

1. Jiayi Zhang*, **Jinyu Xiang***, Zhaoyang Yu, Fengwei Teng, Xionghui Chen, Jiaqi Chen, Mingchen Zhuge, Xin Cheng, Sirui Hong, Jinlin Wang, Bingnan Zheng, Bang Liu, Yuyu Luo, Chenglin Wu. **AFlow: Automating Agentic Workflow Generation**, *ICLR 2025 Oral (Top 1.8%)*, 2024.10.
2. **Jinyu Xiang***, Jiayi Zhang*, Zhaoyang Yu, Xinbing Liang, Fengwei Teng, Jinhao Tu, Fashen Ren, Xiangru Tang, Sirui Hong, Chenglin Wu, Yuyu Luo. **Self-Supervised Prompt Optimization**, *EMNLP 2025*, 2025.2.
3. Xinbing Liang*, **Jinyu Xiang***, Zhaoyang Yu, Jiayi Zhang, Sirui Hong, Sheng Fan, Xiao Tang. **OpenManus: An Open-Source Framework for Building General AI Agents**, *Github (50k+ stars)*, 2025.
4. Zhaoyang Yu, Jiayi Zhang, Huixue Su, Yufan Zhao, Yifan Wu, Mingyi Deng, **Jinyu Xiang**, Yizhang Lin, Lingxiao Tang, Yingchao Li, Yuyu Luo, Bang Liu, Chenglin Wu. **ReCode: Unify Plan and Action for Universal Granularity Control**, *Arxiv Preprint*, 2025.10.
5. Bang Liu, Xinfeng Li, Jiayi Zhang, Jinlin Wang, Tanjin He, Sirui Hong, Hongzhang Liu, Shaokun Zhang, Kaitao Song, Kunlun Zhu, Yuheng Cheng, Suyuchen Wang, Xiaoqiang Wang, Yuyu Luo, Haibo Jin, Peiyang Zhang, Ollie Liu, Jiaqi Chen, Huan Zhang, Zhaoyang Yu, Haochen Shi, Boyan Li, Dekun Wu, Fengwei Teng, Xiaojun Jia, Jiawei Xu, **Jinyu Xiang**, Yizhang Lin, et al. **Advances and Challenges in Foundation Agents: From Brain-Inspired Intelligence to Evolutionary, Collaborative, and Safe Systems**, *Arxiv Preprint*, 2025.4.
6. Huan-ang Gao, Jiayi Geng, Wenyue Hua, Mengkang Hu, Xinzhe Juan, Hongzhang Liu, Shilong Liu, Jiahao Qiu, Xuan Qi, Yiran Wu, Hongru Wang, Han Xiao, Yuhang Zhou, Shaokun Zhang, Jiayi Zhang, **Jinyu Xiang**, et al. **A Survey of Self-Evolving Agents: On Path to Artificial Super Intelligence**, *Arxiv Preprint*, 2025.7.
7. Xiangru Tang, Daniel Shao, Jiwoong Sohn, Jiapeng Chen, Jiayi Zhang, **Jinyu Xiang**, Fang Wu, Yilun Zhao, Chenglin Wu, Wenqi Shi, Arman Cohan, Mark Gerstein. **MedAgentsBench: Benchmarking Thinking Models and Agent Frameworks for Complex Medical Reasoning**, *Arxiv Preprint*, 2025.3.

JOB EXPERIENCE

CoFounder | SophiaPro

May. 2025 - Present

- Topic: Agent Self-Evolving, Marketing Agent, General Agent
- Spearheaded the algorithm team in advancing the core capabilities of General Agents, translating key research insights and methodologies into marketing product applications while iteratively optimizing the model's out-of-domain (OOD) generalization.

Researcher | DeepWisdom

Aug. 2024 - May. 2025

- Topic: Agent Self-Optimization, Foundation Agent, LLM as World Model

Research Lead | Agent Universe

Feb. 2024 - Present

- Topic: AI-generated content; AI information distribution; AI competitions
- Heading team research on AI content reformulation and redistribution.

Independent Musician | Tencent Music

Feb. 2019 - Present

- Topic: Instrumental music, Traditional Chinese style (Gufeng), Electronic music
- Created and published original music content achieving over 2 million plays and cultivating a following of 1k+ fans

COMPETITIONS AND SIDE PROJECTS

OpenManus | Github 50k+ stars | Founder

Mar. 2025

- Proposed and assembled a team to recreate Manus functionality, articulating the minimal structural units for Agent design while contributing to development. Completed the OpenManus project—a minimalist Agent framework—in just three hours, which garnered 35k stars within its first week of release.

Zhihu AI Social Experiment | Author

Jul. 2024

- Conducted a social experiment by fine-tuning Qwen2-7B with Zhihu Q&A data and implementing RPA technology to create a fully autonomous AI account that posted content for a month without human intervention or detection. The experiment results have been made public and covered by China Daily and other media outlets. Additionally, developed a model to reduce AI-generated text detectability through reverse synthesis of AI responses.

2024 Alibaba Global Mathematics Competition AI Challenge | Top 1 % (2/563) | Author

Apr. 2024

- I developed the MathAI multi-agent system to tackle math problems at the Olympiad level. I made it to the finals among more than 500 teams worldwide, and the final ranking is second place.

AI Research Weekly | Author

May. 2024

- Led a team in developing an automated system that crawls Hugging Face for new AI research papers weekly, utilizing LLMs to automatically categorize papers by domain and generate comprehensive summaries. Established a collaborative partnership with Kimi AI for this initiative.