

# JIAYI ZHANG

📞 +86 18831933368 📩 jzhang361@connect.hkust-gz.edu.cn 🌐 Jiayi Zhang's HomePage

## EDUCATION

### The Hong Kong University of Science and Technology (Guangzhou)

PhD Student, Information Hub

Guangzhou, China

2024.9 - 2028.6

### Renmin University of China

Bachelor, School of Information

Beijing, China

2020.9 - 2024.6

## SELECTED PUBLICATIONS

1. **Jiayi Zhang\***, Jinyu Xiang\*, Zhaoyang Yu, Fengwei Teng, ... Bang Liu, Yuyu Luo, Chenglin Wu . **AFlow: Automating Agentic Workflow Generation**, *ICLR 2025 Oral (Top 1.8%)*, 2024.10.
2. **Jiayi Zhang\***, Jinyu Xiang\*, Xinbing Liang\*, Zhaoyang Yu\*. **OpenManus: An open-source framework for building general AI agents**, *Github 50.5K Stars*, 2025.3.
3. **Jiayi Zhang**, Yiran Peng, Fanqi Kong, Yifan Wu, Zhaoyang Yu, ..., Chenglin Wu, Yuyu Luo. **Automating Environments For Measuring Agentic Learning**, *Arxiv*, 2025.11.
4. **Jiayi Zhang**, Fanqi Kong, Guibin Zhang, ..., Bang Liu, Chenglin Wu, Yuyu Luo. **Position: General Agents Need Scalable Environments**, *Under Review*, 2026.1.
5. **Jiayi Zhang**, Yiran Peng, Zhaoyang Yu, ..., Bang Liu, Chenglin Wu, Yuyu Luo. **AEvolve: Automating Agentic Self-Evolve**, *Under Review*, 2026.1.
6. Jinyu Xiang\*, **Jiayi Zhang\***, Zhaoyang Yu, Fengwei Teng, Jinhao Tu, Sirui Hong, Chenglin Wu, Yuyu Luo. **Self-Supervised Prompt Optimization**, *EMNLP 2025*, 2025.2.
7. Bang Liu\*, Xinfeng Li\*, **Jiayi Zhang**\*, ..., Peijian, Qiang Yang, Xiaoliang Qi, Chenglin Wu. **Advances and Challenges in Foundation Agents**, *Under Review (Cambridge University Press)*, 2025.4.
8. Mingyi Deng, Lijun Huang, Yani Fan, **Jiayi Zhang**†, Fashen Ren, ..., Nan Tang, Chenglin Wu, Yuyu Luo. **Interact-Comp: Evaluating Search Agents With Ambiguous Queries**, *Arxiv*, 2025.10.
9. Jianhao Ruan, Zhihao Xu, Fashen Ren, ..., Jinyu Xiang†, Yuyu Luo†, **Jiayi Zhang**† **Generalist Agent via Automatic Agentic Orchestration**, *Under Review*, 2026.1.
10. Zhaoyang Yu, **Jiayi Zhang**, Huixue Su, Yufan Zhao, ..., Yuyu Luo, Bang Liu, Chenglin Wu. **ReCode: Unify Plan and Action for Universal Granularity Control**, *Arxiv*, 2025.10.
11. Boyan Li, **Jiayi Zhang**, Ju Fan, Yanwei Xu, Chong Chen, Nan Tang, Yuyu Luo. **Alpha-SQL: Zero-Shot Text-to-SQL using Monte Carlo Tree Search**. *ICML 2025*, 2025.2.

## JOB EXPERIENCE

### Research Lead | DeepWisdom

Present

- I lead an 8-person team responsible for DeepWisdom's open-source community and research, including Foundation Agents, OpenManus, and submissions/preparations of 12 papers to ICLR 2026 and ICML 2026.
- Topic: Foundation Agent; World Model; Agent Optimization.

### Research Intern | AI Laboratory at Lenovo Research

Dec. 2023 - May. 2024

- Topic: LLM Based MultiAgent System; Device Operation Agent
- Based on GPT-4V, construct a framework for multi-agent collaboration to handle complex mobile tasks.

### Algorithm Intern | Zhipu AI

Aug. 2023 - Dec. 2023

- Developed a 2D avatar streaming system based on SadTalker and ChatGLM, enabling interactions within 5 seconds.
- Designed Chat2Wav for TTS from LLM-texts; created Wav2Stream for 2D avatar streaming.

## COMPETITIONS AND SIDE PROJECTS

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### MetaGPT | Core Contributor

Sep. 2023 - Present

- **Mini Hackathon | Best Contributor:** For my implementation of Stanford town in the MetaGPT Multi Environment Mini Hackathon, I was honored as the Best Contributor.
- **Android Assistant | Core Contributor:** A fellow researcher from the MetaGPT team and I have recently incorporated AndroidEnv into MG, and implemented functionality akin to AppAgent on it.

### 2024 Alibaba Global Mathematics Competition AI Challenge | Top 1 % (3/563) | Team Leader

Apr. 2024

- I led a team to develop the MathAI multi-agent system to tackle math problems at the Olympiad level. We made it to the finals among more than 500 teams worldwide, and the final rankings is third place.

### Prompt Navigator - Baidu & FounderPark AGI Hackathon | Second Place Award | Team Leader

Dec. 2023

- As the team leader, I spearheaded the development of an open-source tool that streamlined the optimization and evaluation of prompts for generalized performance testing, incorporating advanced strategies such as COT, Contrastive, and Difficulty tailored for Zero shot and few shot scenarios.

### AWS Master - AWS GenAI Talent Program | 2 out of 4 awards | Team Member

Aug. 2023

- As a team member of the AWS Master project, I contributed to interface and vector retrieval development, enabling the tool to intelligently parse user code for AWS server deployment guidance, and secured two awards in the AWS GenAI Talent Program hackathon event in August 2023.