

JIAYI ZHANG

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Renmin University of China, Zhongguancun Street, Haidian, Beijing, 100872, CHINA

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

WORKING MANUSCRIPTS

- Jiayi Zhang**, Yihan Zhao, Zeping Chen, Ming He. **MobileExperts: A Dynamic Tool-Enabled Agent Team In Mobile Devices**.
- Sirui Hong, Yizhang Lin, Bangbang Liu, Binhao Wu, Danyang Li, Jiaqi Chen, **Jiayi Zhang**, Jinlin Wang, Lingyao Zhang, Mingchen Zhuge, Taicheng Guo, Tuo Zhou, Wei Tao, Wenyi Wang, Xiangru Tang, Xiangtao Lu, Xinbing Liang, Yaying Fei, Yuheng Cheng, Zongze Xu, Chenglin Wu, Li Zhang, Min Yang, Xiawu Zheng. **Data Interpreter: An LLM Agent For Data Science**, *Arxiv Preprint*.

INTERNSHIP EXPERIENCE

Research Intern AI Laboratory at Lenovo Research	Dec. 2023 - May. 2024
<ul style="list-style-type: none">Topic: LLM Based MultiAgent System; Device Operation AgentBased on GPT-4V, construct a framework for multi-agent collaboration to handle complex mobile tasks.	
Algorithm Intern Zhipu AI	Aug. 2023 - Dec. 2023
<ul style="list-style-type: none">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.	
Algorithm Intern Changyou.com (CYOU)	Jul. 2023 - Aug. 2023
<ul style="list-style-type: none">Assisted in building Changyou's internal QA platform using LangChain-chatchat.Enhanced LangChain's Loader, enabling diverse file handling and reducing LLM's knowledge hallucinations.	

COMPETITIONS AND SIDE PROJECTS

MetaGPT Core Contributor	Sep. 2023 - Present
<ul style="list-style-type: none">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 5 % (21/500+) Team Leader	Apr. 2024
<ul style="list-style-type: none">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 will be announced in mid-June.	
Prompt Navigator - Baidu & FounderPark AGI Hackathon Second Place Award Team Leader	Dec. 2023
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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.	