

CHENHAO ZHANG

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 [Chenhao Zhang](#) |  [MING-ZCH](#) |  [Chenhao Zhang](#) |  [Chenhao Zhang](#)

Study in Wuhan, China | live in Taipei, Taiwan

EDUCATION

- **Huazhong University of Science and Technology (HUST)** Sep. 2023 - Jul. 2027 (expected)
Major in Computer Science China
 - GPA: 87/100
- **Huazhong University of Science and Technology (HUST)** Sep. 2022 - Jul. 2023
Major in Medicine and Management, Minor in Computer Science China

RESEARCH INTERESTS

- Language & Vision: MLLM General ability (Reasoning/Understanding)
- Emotional Intelligence: Mental health AI (Agent/Dialogue Systems), Society Agent (Multi-Agent/Theory of Mind)

RESEARCH EXPERIENCE



- **Shanghai AI Lab** Jun. 2024 - Now
Supervisor: Yazhe Niu, Yu Liu Research Intern
 - Learned classic reinforcement learning algorithms (DQN, PPO, etc.) and RLHF, and explored LLM from the RL perspective
 - Reproduced classic reinforcement learning algorithms and contributed to the reinforcement learning framework, [DI-Engine](#)
- **CAS-SIAT Lab** Aug. 2023 - Oct. 2024
Supervisor: Min Yang Research Assistant
 - Proposed a report-based multi-turn dialogue reconstruction and evaluation framework for psychological counseling [\[ACL'24 CPsyCoun\]](#)
 - Proposed a benchmark based on psychology examinations, including two comprehensive typical questions: knowledge QA and case analysis [\[EMNLP'24 \(Under Review\) CPsyExam\]](#)
 - Proposed an image implication understanding benchmark for MLLMs [\[NeurIPS'24 \(Under Review\) II-Bench\]](#)
 - Proposed a Chinese image implication understanding benchmark for MLLMs, and conducted a comparative analysis of Chinese and English image metaphors based on MLLMs' understanding
- **CGCL Lab** Apr. 2023 - Dec. 2023
Supervisor: Hong Huang, Hai Jin Research Intern
 - Learned classic deep learning algorithms, and explored GNN and LLM
 - Proposed a framework, including methods and datasets, to enhance LLMs' graph understanding and reasoning capabilities [\[GraphInstruct\]](#)

PUBLICATIONS AND PREPRINTS

LV=LANGUAGE & VISION, EI=EMOTIONAL INTELLIGENCE, *=EQUAL CONTRIBUTION

- [EI.1] [\(ACL'24\) CPsyCoun: A Report-based Multi-turn Dialogue Reconstruction and Evaluation Framework for Chinese Psychological Counseling](#)
Chenhao Zhang*, Renhao Li*, Minghuan Tan, Min Yang, Jingwei Zhu, Di Yang, Jiahao Zhao, Guancheng Ye, Chengming Li, Xiping Hu
- [LV.1] [\(NeurIPS'24 Under Review\) II-Bench: An Image Implication Understanding Benchmark for Multimodal Large Language Models](#)
Ziqiang Liu* Feiteng Fang*, Xi Feng*, Xinrun Du*, **Chenhao Zhang***, Zekun Wang, Yuelin Bai, Qixuan Zhao, Liyang Fan, Chengguang Gan, Hongquan Lin, Jiaming Li, Yuansheng Ni, Haihong Wu, Yaswanth Narsupalli, Zhigang Zheng, Chengming Li, Xiping Hu, Ruifeng Xu, Xiaojun Chen, Min Yang, Jiaheng Liu, Ruibo Liu, Wenhao Huang, Ge Zhang, Shiwen Ni
- [EI.2] [\(EMNLP'24 Under Review\) CPsyExam: A Chinese Benchmark for Evaluating Psychology using Examinations](#)
Jiahao Zhao, Jingwei Zhu, Minghuan Tan, Min Yang, Di Yang, **Chenhao Zhang**, Guancheng Ye, Chengming Li, Xiping Hu
- [LV.2] **GraphInstruct: Empowering Large Language Models with Graph Understanding and Reasoning Capability**
Zihan Luo, Xiran Song, Hong Huang, Jianxun Lian, **Chenhao Zhang**, Jinqi Jiang, Xing Xie, Hai Jin

SELECTED PROJECTS

- **EmoLLM: A project about large language model (LLM) and mental health** Feb. 2024 - Aug. 2024
Co-Leader, 700+★ 
 - Built a comprehensive technical framework from data collection and cleaning, model training to model evaluation and deployment
 - Planned technology update plans and project development division, conducted community developer training, and reached cooperation with some well-known companies/labs
- **Mini-Sora: A community aims to explore the path of Sora** Mar. 2024 - Aug. 2024
Co-Initiator, 1.1k+★ 
 - Co-initiated the project and participated in project planning and construction
 - Collected papers on Language & Vision in the past three years and participated in survey writing

HONORS AND AWARDS

- **Innovation and Creativity Award** 2024
Shanghai AI Lab Puyuan Large Language Model Series Challenge Competition (Spring)
- **Best Creativity Award** 2023
ZhenFund and SegmentFault and Monica HACKATHON
- **Rank 2nd** 2023
iFLYTEK AI DEVELOPER COMPETITION
- **Global Rank 6th (Innovation Development Track)** 2023
Founder Park and Zilliz and Zhipu.ai Global HACKATHON

SKILLS AND SERVICES

- **Programming Languages:** Python, C/C++, Shell, HTML/CSS
- **Machine Learning Tools:** Pytorch, Sklearn, Pandas, Numpy, LlamaIndex, XTuner
- **Common Tools:** Git, Docker, CMake, Jupyter, Kubernetes, Latex, Markdown
- **Languages:** Chinese (Native), English (Fluent)
- **Community Member:** OpenMMLab, InternLM, XTuner, DataWhale, AI TIME
- **Conference Reviewer:** ACL 2024