








Huanhuan Ma

CONTACT INFORMATION	 huanhuanma.top  andy.huanhuan.ma@gmail.com  Beijing, China	 Google Scholar  GitHub  +86 13393906361
EDUCATION	University of Chinese Academy of Sciences , Beijing, China Master in Artificial Intelligence, GPA: 3.51/4.00 <ul style="list-style-type: none">Advisors: Prof. Liang Wang, Prof. Qiang LiuThesis: Explainable Automated Fact Verification ResearchAward: Ministry of Education - Huawei "Intelligent Base" Future Star  Zhengzhou University , Zhengzhou, China Bachelor in Software Engineering	Sep 2021 – July 2024 2022 Sep 2016 – July 2020
RESEARCH INTERESTS	My research primarily focuses on advancing Responsible AI, with an emphasis on: <ul style="list-style-type: none">Large model evaluation: a) Traditional task-based evaluation [6][3], b) Psychological-based behavior evaluation of models [1]Large model capability enhancement: Targeted strengthening of model weaknesses through synthetic data generation	
RESEARCH EXPERIENCE	Evaluation of Psychological Traits in LLMs NC State University , GIC Lab , NC, USA <i>Intern Researcher</i> <ul style="list-style-type: none">Leading a project to develop a more robust psychological behavior evaluation tool for assessing large language models (LLMs), with a manuscript submitted to ICLR 2025 [1] Synthetic Data Generation Beijing Academy of Artificial Intelligence , (BAAI), Beijing, China <i>Research Intern</i> <ul style="list-style-type: none">Contributed to generating high-quality synthetic data for model training and identifying model weaknesses Fact-Checking Institute of Automation, Chinese Academy of Sciences , CRIPAC , Beijing, China <i>Master Student</i> <ul style="list-style-type: none">Proposed a novel explainable fact-checking dataset with textual explanations [3]Developed an innovative method for explainable multi-modal misinformation detection [4]Introduced a framework to address the weaknesses of large language models in fact-checking tasks [2] LLM Knowledge Editing Institute of Automation, Chinese Academy of Sciences , CRIPAC , Beijing, China <i>Master Student</i> <ul style="list-style-type: none">Investigated entity and relational knowledge differences through knowledge localization [5]	December 2023 – Present July 2024 – Present August 2022 - March 2024 July 2023 - March 2024
PRE-PRINTS	[1] Huanhuan Ma , Haisong Gong, Xiaoyuan Yi, Xing Xie, Dongkuan Xu. "Leveraging Implicit Sentiments: Enhancing Reliability and Validity in Psychological Trait Evaluation of LLMs" (Under-review). [PDF] , [OpenReview] [2] Haisong Gong, Huanhuan Ma , Qiang Liu, Shu Wu, Liang Wang. "Navigating the Noisy Crowd: Finding Key Information for Claim Verification." (Arxiv, July 2024). [PDF]	

PEER-REVIEWED
PUBLICATIONS

- [3] **Huanhuan Ma**, Weizhi Xu, Yifan Wei, Liuji Chen, Liang Wang, Qiang Liu, Shu Wu, Liang Wang. "EX-FEVER: A Dataset for Multi-hop Explainable Fact Verification." *Findings of the Association for Computational Linguistics (ACL 2024 Findings)*. [PDF], [Code], [Poster], [Slides]
- [4] **Huanhuan Ma***, Jinghao Zhang*, Qiang Liu, Shu Wu, Liang Wang. "Interpretable Multi-modal Out-of-Context Detection with Soft Logic Regularization." *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2024 Oral)*. [PDF], [Slides]
- [5] Yifan Wei, Xiaoyan Yu, Yixuan Weng, **Huanhuan Ma**, Yuanzhe Zhang, Jun Zhao, Kang Liu. "Does Knowledge Localization Hold True? Surprising Differences Between Entity and Relation Perspectives in Language Models." *ACM International Conference on Information and Knowledge Management (CIKM 2024 Short)*. [PDF], [Code]
- [6] Yifan Wei, Yisong Su, **Huanhuan Ma**, Xiaoyan Yu, Fangyu Lei, Yuanzhe Zhang, Jun Zhao, Kang Liu. "MenatQA: A New Dataset for Testing the Temporal Comprehension and Reasoning Abilities of Large Language Models." *Findings of the Association for Computational Linguistics (EMNLP 2023 Findings)*. [PDF], [Code]
- [7] Liping Wang, Qiang Liu, **Huanhuan Ma**, Shu Wu, Liang Wang. "Multi-Cause Learning for Diagnosis Prediction." *International Conference on Data Mining and Big Data (DMBD 2022)*. [PDF]

PROJECTS

Awesome-LLM-based-Evaluators

[GitHub] ★28

- Curated a comprehensive list of LLM-based evaluators for various NLP tasks

INTERNSHIPS

NC State University, **GIC Lab**, NC, USA

December 2023 – Present

Intern Researcher

- Leading a project to develop a more robust psychological behavior evaluation tool for assessing large language models (LLMs), with a manuscript submitted to ICLR 2025 [1]

Beijing Academy of Artificial Intelligence, **BAAI**, Beijing, China

July 2024 – Present

Research Intern

- **Synthetic Data Generation**: Contributed to generating high-quality synthetic data for model training and identifying model weaknesses
- **Infinity-MM Project**: Contributed to the optimization of training data for enhancing large vision-language model

ACADEMIC
SERVICES

Program Committee

- The International Conference on Learning Representations (ICLR) 2025
- ACM International Conference on Information and Knowledge Management (CIKM) 2024
- Annual Conference on Neural Information Processing Systems (NeurIPS) Dataset & Benchmark track 2023

SKILLS

Language: Chinese (Native), English (Fluent)

Programming: Python, \LaTeX , SQL, HTML/CSS

Technologies: Git, Linux

Libraries: PyTorch, VLLM, LiteLLM, Faiss, SQLite