Liqiang Jing

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Education

The University of Texas at Dallas	08/2023 - Present
Ph.D. in Computer Science (GPA: 4.00 / 4.00), Advisor: Xinya Du	*Texas, US*
Shandong University	09/2020 - 07/2023
MSc in Computer Technology, Advisor: Xuemeng Song, Liqiang Nie	*Shandong, CHN*
Hefei University of Technology	09/2016 - 06/2020
B.E. in Computer Science and Technology	*Anhui, CHN*

Summary

I published **25+** top-tier AI/NLP papers (12 first-author papers), with **700+** Google Scholar citations. My research interests are **multimodal learning and natural language processing**, specifically in **Evaluation and Alignment for Large Vision-Language Models (LVLMs)/Large Language Models (LLMs)**, and **LLMs/LVLMs as Agents for Real-world Tasks**, such as AI4Science.

Intern Experience

Applied Scientist Intern, Bedrock, Amazon Web Services	05/2025 - 08/2025
Mentor: Xiong Zhou, Evangelia Spiliopoulou, Neha Anna John, Siddharth Varia, Ioannidis Vassilis	*Seattle, US*

- Evaluate **robustness of visual reasoning ability of multimodal large language models** and devise a **weakly-supervised GRPO-based Reinforcement Learning** algorithm to boost robust visual reasoning ability.

Research Intern, AI Lab, Tencent America	05/2024 - 08/2024
Supervisor: Xiaoyang Wang, Wenhao Yu, Wenlin Yao, Kaixin Ma, Dong Yu	*Bellevue, US*

- Focus on evaluating **data science agents** and large language/vision-language models with data science tasks. The work is **used by OpenAI for ChatGPT agent evaluation**. Construct a new data science benchmark.

Research Intern, Damo Academy, Alibaba Group	05/2021 - 09/2022
Mentor: Xuming Lin, Xinxing Zu, and Zhongzhou Zhao	*Hangzhou, CHN*

- Work on sign language translation and propose a **stylized data-to-text generation** task. Achieved new state-of-the-art performances on **multimodal product summarization** and stylized data-to-text generation. Relevant achievements have been **deployed to Alibaba Group and serve more than 200 companies**.

Research Papers

First-author Paper

[1] *DSBench: How Far Are Data Science Agents to Becoming Data Science Experts?* ICLR 2025. **HuggingFace #1 Paper of the day. Used by OpenAI for ChatGPT agent evaluation.**

[2] *FGAIF: Aligning Large Vision-Language Models with Fine-grained AI Feedback.* TMLR 2025.

[3] *FIHA: Fine-grained Hallucinations Evaluations in Large Vision Language Models.* Findings of ACL 2025.

[4] *FAITHSCORE: Evaluating Hallucinations in Large Vision-Language Models.* Findings of EMNLP 2024.

[5] *A Unified Hallucination Mitigation Framework for Large Vision-Language Models.* TMLR 2024.

[6] *Multi-source Semantic Graph-based Multimodal Sarcasm Explanation Generation.* ACL 2023.

[7] *FIFA: Unified Faithfulness Evaluation Framework for Text-to-Video and Video-to-Text Generation.* Preprint 2025.

[8] *A Comprehensive Analysis for Visual Object Hallucination in Large Vision-Language Models.* Preprint 2025.

[9] *VK-G2T: Vision and Context Knowledge enhanced Gloss2Text.* ICASSP 2024.

[10] *Stylized Data-to-Text Generation: A Case Study in the E-Commerce Domain.* ACM TOIS 2023.

[11] *Vision Enhanced Generative Pre-trained Language Model for Multimodal Sentence Summarization.* Machine Intelligence Research 2023.

[12] *Debiased Outfit Compatibility Modeling with Counterfactual Inference.* ACM MM 2022.

Project Leader or Co-leader

[13] *Learning to Generate Research Idea with Dynamic Control.* Ruochen Li, **Liqiang Jing**, *et al.* AI4Research@AAAI 2025. **Best Paper Award.**

[14] *Can Large Vision-Language Models Understand Multimodal Sarcasm?* Xinyu Wang*, Yue Zhang* & **Liqiang Jing**. CIKM 2025. **Best Paper Candidate.**

[15] *LMR-BENCH: Evaluating LLM Agent's Ability on Reproducing Language Modeling Research.* Shuo Yan*, Ruochen Li*, Ziming Luo*, Zimu Wang*, Daoyang Li*, **Liqiang Jing**, *et al.* . EMNLP 2025.

[16] *Fine-grained and Explainable Factuality Evaluation for Multimodal Summarization.* Yue Zhang, Jingxuan Zuo & **Liqiang Jing**. DocUI@AAAI 2025.

[17] *Defeasible Visual Entailment: Benchmark, Evaluator, and Reward-Driven Optimization.* Yue Zhang, **Liqiang Jing** & Vibhav Gogate. AAAI 2025.

[18] *Sentiment-enhanced Graph-based Sarcasm Explanation in Dialogue.* Kun Ouyang, **Liqiang Jing** *et al.* IEEE TMM 2025.

[19] *Debiasing Multimodal Sarcasm Detection with Contrastive Learning.* Mengzhao Jia, Can Xie & **Liqiang Jing**. AAAI 2024.

[20] *Adapting Generative Pretrained Language Model for General Multimodal Sentence Summarization.* Dengtian Lin, **Liqiang Jing**, Xuemeng Song, Teng Sun, Meng Liu & Liqiang Nie. ACM SIGIR. 2023.

[21] *V2P: Vision-to-Prompt based Multi-Modal Product Summary Generation.* Xuemeng Song, **Liqiang Jing**, *et al.* ACM SIGIR. 2022.

[22] *Mutual-enhanced Incongruity Learning Network for Multi-modal Sarcasm Detection.* Yang Qiao, **Liqiang Jing**, *et al.* AAAI. 2023.

Other Co-author Paper

[23] *Knowledge-enhanced Memory Model for Emotional Support Conversation.* AAAI 2024.

[24] *Dual Knowledge-enhanced Multimodal Dialog Systems with Generative Pretrained Language Model.* ACM TOIS. 2023.

[25] *Dual Consistency-enhanced Semi-supervised Sentiment Analysis towards COVID-19 Tweets.* IEEE TKDE. 2023.

[26] *General Debiasing for Multimodal Sentiment Analysis.* ACM MM. 2023.

[27] *Counterfactual Reasoning for Out-of-distribution Multimodal Sentiment Analysis.* ACM MM. 2022.

[28] *Multimodal Reference Visual Grounding.* Preprint 2025.

[29] *Dr.V: A Hierarchical Perception-Temporal-Cognition Framework to Diagnose Video Hallucination by Fine-grained Spatial-Temporal Grounding.* Preprint 2025.

[30] *Speech Recognition on TV Series with Video-guided Post-Correction.* Preprint 2025.

Selected Awards & Honors

Best Short Paper Candidate, CIKM, 2025
Best Paper Award, AAAI AI4Research, 2025
Lambda's Research Grant Program, $2,000, 2025
Louis Beecherl, Jr. Graduate Fellowship, 2025
ICLR Financial Assistance, 2025
Anthropic AI Safety Fellowship, Final Round (100/2000+ globally), 2025
OpenAI Researcher Access Program Award, $4,000+$1,000, 2024,2025
Amazon Trusted AI Challenge – Global Top 10 Selection (Team Leader), $250,000+, 2024
SIGIR 2022 Student Travel Award, 2022

Academic Services

Area Chair for BMVC 2025.
Organizer for the MKLM workshop at IJCAI 2025 and the hallucination tutorial in ICMR 2025.
Reviewer for ACM MM, NeurIPS, ICML, ICLR, EMNLP, COLING, CVPR, ACL ARR, ACM TOIS, Information Sciences, IEEE TMM, IEEE TCSVT, IEEE TASLP, ACM ToMM, *etc.*