

# Liqiang Jing

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## Education

<b>The University of Texas at Dallas</b>	08/2023 - Present
Ph.D. in Computer Science (GPA: 4.00 / 4.00), Advisor: Xinya Du	Texas, US
<b>Shandong University</b>	09/2020 - 07/2023
MSc in Computer Technology, Advisor: Xuemeng Song, Liqiang Nie	Shandong, CHN
<b>Hefei University of Technology</b>	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

<b>Applied Scientist Intern, Bedrock, Amazon Web Services</b>	05/2025 - 08/2025
Mentor: Xiong Zhou, Evangelia Spiliopoulou, Neha Anna John, Siddharth Varia, Ioannidis Vassilis	Seattle, US
• Evaluate <b>robustness of visual reasoning ability of multimodal large language models</b> and devise a <b>weakly-supervised GRPO-based Reinforcement Learning</b> algorithm to boost robust visual reasoning ability.	
<b>Research Intern, AI Lab, Tencent America</b>	05/2024 - 08/2024
Supervisor: Xiaoyang Wang, Wenhao Yu, Wenlin Yao, Kaixin Ma, Dong Yu	Bellevue, US
• Focus on evaluating <b>data science agents</b> and large language/vision-language models with data science tasks. The work is <b>used by OpenAI for ChatGPT agent evaluation</b> . Construct a new data science benchmark.	
<b>Research Intern, Damo Academy, Alibaba Group</b>	05/2021 - 09/2022
Mentor: Xuming Lin, Xinxing Zu, and Zhongzhou Zhao	Hangzhou, CHN
• Work on sign language translation and propose a <b>stylized data-to-text generation task</b> . Achieved new state-of-the-art performances on <b>multimodal product summarization</b> and stylized data-to-text generation. Relevant achievements have been <b>deployed to Alibaba Group</b> 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

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- 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

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- 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 TCSV, IEEE TASLP, ACM ToMM, etc.