

# Liqiang Jing

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## Education

<b>The University of Texas at Dallas</b>	<b>08/2023 – Present</b>
Ph.D. in Computer Science. GPA: 4.0/4.0.	
Advised by <a href="#">Xinya Du</a> .	
Teaching Assistant. Research Assistant.	
Research Interest: Multimodal Learning and Natural Language Processing.	
<b>Shandong University</b>	<b>09/2020 – 06/2023</b>
M.Sc. in Computer Technology.	
Advised by <a href="#">Xuemeng Song</a> and <a href="#">Liqiang Nie</a> .	
<b>Hefei University of Technology</b>	<b>09/2016 - 06/2020</b>
B.E. in Computer Science and Technology.	

## Preprint

**FIFA: Unified Faithfulness Evaluation Framework for Text-to-Video and Video-to-Text Generation.**

*Liqiang Jing, Viet Dac Lai, Seunghyun Yoon, Trung Bui, Xinya Du..*

**A Comprehensive Analysis for Visual Object Hallucination in Large Vision-Language Models.**

*Liqiang Jing\*, Guiming Hardy Chen\*, Ehsan Aghazadeh, Xin Eric Wang & Xinya Du. (\*Equal Contribution)*

**Learning to Generate Research Idea with Dynamic Control.**

*Ruochen Li, Liqiang Jing, Chi Han, Jiawei Zhou & Xinya Du. Best Paper Award at AI4Research@AAAI 2025.*

## Publication

### *First-author Paper*

**DSBench: How Far Are Data Science Agents to Becoming Data Science Experts?**

*Liqiang Jing, Zhehui Huang, Xiaoyang Wang, Wenlin Yao, Wenhao Yu, Kaixin Ma, Hongming Zhang, Xinya Du, Dong Yu. ICLR 2025. [HuggingFace #1 Paper of the day. Used by OpenAI for ChatGPT agent evaluation.](#)*

**FGAIF: Aligning Large Vision-Language Models with Fine-grained AI Feedback**

*Liqiang Jing, Xinya Du. TMLR.*

**FIHA: Fine-grained Hallucinations Evaluations in Large Vision Language Models**

*Liqiang Jing\*, Bowen Yan\*, Zhengsong Zhang\*, Eftekhar Hossain, Xinya Du. Findings of ACL 2025.*

**FAITHSCORE: Evaluating Hallucinations in Large Vision-Language Models**

*Liqiang Jing, Ruosen Li, Yunmo Chen, Xinya Du. Findings of EMNLP 2024.*

**A Unified Hallucination Mitigation Framework for Large Vision-Language Models**

*Liqiang Jing\*, Yue Chang\*, Xiaopeng Zhang\*, Yue Zhang. (\*Equal Contribution). TMLR.*

**Multi-source Semantic Graph-based Multimodal Sarcasm Explanation Generation.**

*Liqiang Jing, Xuemeng Song, Kun Ouyang, Mengzhao Jia, Liqiang Nie. ACL 2023.*

**VK-G2T: Vision and Context Knowledge enhanced Gloss2Text.**

*Liqiang Jing, Xuemeng Song, Xinxing Zu, Na Zheng, Zhongzhou Zhao, Liqiang Nie. ICASSP 2024.*

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## Stylized Data-to-Text Generation: A Case Study in the E-Commerce Domain.

*Liqiang Jing, Xuemeng Song, Xuming Lin, Zhongzhou Zhao, Wei Zhou, Liqiang Nie. ACM TOIS. 2023.*

## Vision Enhanced Generative Pre-trained Language Model for Multimodal Sentence Summarization.

*Liqiang Jing, Yiren Li, Junhao Xu, Yongcan Yu, Pei Shen, Xuemeng Song. Machine Intelligence Research. 2023.*

## Debiased Outfit Compatibility Modeling with Counterfactual Inference.

*Liqiang Jing, Minghui Tian, Xiaolin Chen, Teng Sun, Weili Guan, Xuemeng Song. ACM MM. 2022.*

*Project leader or co-leader.*

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## Can Large Vision-Language Models Understand Multimodal Sarcasm?

*Xinyu Wang\*, Yue Zhang\* & Liqiang Jing. CIKM 2025. Best Paper Candidate.*

## LMR-BENCH: Evaluating LLM Agent's Ability on Reproducing Language Modeling Research.

*Shuo Yan, Ruochen Li, Ziming Luo, Zimu Wang, Daoyang Li, Liqiang Jing, Kaiyu He, Peilin Wu, George Michalopoulos, Yue Zhang, Ziyang Zhang, Mian Zhang, Zhiyu Chen & Xinya Du. EMNLP 2025.*

## Fine-grained and Explainable Factuality Evaluation for Multimodal Summarization.

*Yue Zhang, Jingxuan Zuo, Liqiang Jing. DocUI@AAAI 2025.*

## Defeasible Visual Entailment: Benchmark, Evaluator, and Reward-Driven Optimization.

*Yue Zhang, Liqiang Jing, Vibhav Gogate. AAAI 2025.*

## Sentiment-enhanced Graph-based Sarcasm Explanation in Dialogue.

*Kun Ouyang, Liqiang Jing, Xuemeng Song, Meng Liu, Yupeng Hu, Liqiang Nie. IEEE TMM 2025.*

## Debiasing Multimodal Sarcasm Detection with Contrastive Learning

*Mengzhao Jia, Can Xie, Liqiang Jing. AAAI 2024.*

## 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.*

## V2P: Vision-to-Prompt based Multi-Modal Product Summary Generation.

*Xuemeng Song, Liqiang Jing, Dengtian Lin, Zhongzhou Zhao, Haiqing Chen, Liqiang Nie. ACM SIGIR. 2022.*

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## Mutual-enhanced Incongruity Learning Network for Multi-modal Sarcasm Detection.

*Yang Qiao, Liqiang Jing, Xuemeng Song, Xiaolin Chen, Lei Zhu, Liqiang Nie. AAAI. 2023.*

*Other Co-author Paper*

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## Knowledge-enhanced Memory Model for Emotional Support Conversation.

*Mengzhao Jia, Qianglong Chen, Liqiang Jing, Dawei Fu, Renyu Li. AAAI 2024..*

## Dual Knowledge-enhanced Multimodal Dialog Systems with Generative Pretrained Language Model.

*Xiaolin Chen, Xuemeng Song, Liqiang Jing, Shuo Li, Linmei Hu, Liqiang Nie. ACM TOIS. 2023.*

## Dual Consistency-enhanced Semi-supervised Sentiment Analysis towards COVID-19 Tweets.

*Teng Sun, Liqiang Jing, Yinwei Wei, Xuemeng Song, Zhiyong Cheng, Liqiang Nie. IEEE TKDE. 2023.*

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## General Debiasing for Multimodal Sentiment Analysis.

Teng Sun, Juntong Ni, Wenjie Wang, **Liqiang Jing**, Yinwei Wei, Liqiang Nie. ACM MM. 2023.

## Counterfactual Reasoning for Out-of-distribution Multimodal Sentiment Analysis.

Teng Sun, Wenjie Wang, **Liqiang Jing**, Yiran Cui, Xuemeng Song, Liqiang Nie. ACM MM. 2022.

## Intern Experience

<b>Applied Scientist Intern. Bedrock, Amazon AWS</b>	<b>05/2025 - 08/2025</b>
Mentored by Xiong Zhou, Evangelia Spiliopoulou, Siddharth Varia, Ioannidis Vassilis.	
➤ Evaluate robustness of visual reasoning ability of multimodal large language models.	
➤ Devised Reinforcement Learning algorithm to boost robust visual reasoning ability of LVLMs.	
<b>Research Intern. AI Lab, Tencent America</b>	<b>05/2024 - 08/2024</b>
Mentored by <a href="#">Xiaoyang Wang</a> , <a href="#">Wenhai Yu</a> , <a href="#">Wenlin Yao</a> , <a href="#">Kaixin Ma</a> , <a href="#">Dong Yu</a>	
➤ Focus on evaluating data science agents and large language/vision-language models with data science tasks. The work is used by <b>OpenAI for ChatGPT agent evaluation</b> .	
➤ Construct a new data science benchmark which is more challenging than the existing benchmarks.	
➤ Evaluate many state-of-the-art data science agents and large language/vision-language models.	
<b>Research Intern. Damo Academy, Alibaba Group</b>	<b>05/2022 - 09/2022</b>
Mentored by <a href="#">Xinxing Zu</a> and <a href="#">Zhongzhou Zhao</a>	
➤ Focus on sign language translation to help normal people with deaf people better communicate.	
➤ Propose to recognize sentence property from vision information to tackle isolated gloss input.	
➤ Propose to retrieve context knowledge to solve low-capacity gloss vocabulary problem.	
<b>Research Intern. Damo Academy, Alibaba Group</b>	<b>08/2021 - 01/2022</b>
Mentored by <a href="#">Xuming Lin</a> and <a href="#">Zhongzhou Zhao</a>	
➤ Proposed 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 <b>deployed to Damo Academy's intelligent virtual anchor platform</b> . Serve more than 200 companies.	

## Honors & Awards

Best Paper Candidate, CIKM	2025
Anthropic AI Safety Fellowship, Final Round (~100/2000+ globally)	2025
Lambda's Research Grant Program, \$2,000	2025
Louis Beecherl, Jr. Graduate Fellowship, \$3,000	2025
Best Paper Award, AAAI AI4Research	2025
OpenAI Researcher Access Program Award, (4,000\$+1,000\$)	2024, 2025
Amazon Trusted AI Challenge – Global Top 10 Selection (Team Leader), \$250,000 and AWS services support	2024
Outstanding Graduate Student, Shandong University	2022
SIGIR 2022 Student Travel Award	2022
Excellent Graduate, Hefei University of Technology	2020
National Encouragement Scholarship	2017, 2018, 2019

## Academic Service

- Invited Area Chair for conferences: BMVC 2025

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- Invited Reviewers for conferences: ACM MM 2022, NeurIPS 2022, ICML 2023, NeurIPS 2023, EMNLP 2023, ICLR 2024, NeurIPS 2024, COLING 2024, ICML 2024, COLING 2025, ACL ARR, ICLR 2025.
- Invited Reviewers for journals: Information Sciences, IEEE TMM, IEEE TCSVT, IEEE TASLP, ACM ToMM.