Liqiang Jing

Contact

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Education

The University of Texas at Dallas, Dallas, USA — Aug 2023 – Present
Ph.D. degree in Computer Science
Advisor: Xinya Du

Shandong University, Qingdao, China — Sep 2020 – Jun 2023
M.S. degree in Computer Technology
Advisor: Xuemeng Song and Liqiang Nie
Outstanding Graduates Award

Hefei University of Technology, Xuancheng, China — Sep 2016 – Jun 2020
B.E. in Computer Science and Engineering
Outstanding Graduates Award

Research Interests

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.

Industrial Experience

Amazon Web Services(AWS), Seattle, USA — May 2025 – Aug 2025
Applied Scientist Intern in the Bedrock
Mentor: Xiong Zhou, Evangelia Spiliopoulou, Ioannidis Vassilis

Tencent, Bellevue, USA — May 2024 – Aug 2024
Research Intern in the AI Lab, Tencent America
Mentor: Xiaoyang Wang, Wenhao Yu, Wenlin Yao, Kaixin Ma, Dong Yu

Alibaba Group, Hangzhou, China — May 2021 – Sep 2022
Research Intern in the Damo Academy
Mentor: Xuming Lin, Xinxing Zu, and Zhongzhou Zhao

Selected Awards & Honors

Best Short Paper Candidate, CIKM 2025

Best Paper Award, AAAI AI4Research 2025

Lambda's Research Grant Program 2025

Louis Beechler, Jr. Graduate Fellowship, University of Texas at Dallas 2025

ICLR Financial Assistance 2025

Anthropic AI Safety Fellowship, Final Round (˜100/2000+ globally), 2025

OpenAI Researcher Access Program Award 2025

OpenAI Researcher Access Program Award 2024

Amazon Trusted AI Challenge, Global Top 10 Selection (Team Leader) 2024

ACM SIGIR Student Travel Award 2022

Outstanding Graduate Student, Shandong University 2022

Outstanding Graduate Student, HFUT 2020

First Class Scholarship, HFUT 2018, 2019

National Encouragement Scholarship, HFUT 2017, 2018, 2019

Papers

Note: † denotes publications in which I led or co-led the research. * indicates equal contributions.

[1] **FIFA: Unified Faithfulness Evaluation Framework for Text-to-Video and Video-to-Text Generation.**
Liqiang Jing, Viet Lai, Seunghyun Yoon, Trung Bui, Xinya Du
Under review by the Annual Meeting of the Association for Computational Linguistics (ACL), 2026.

[2] **A Comprehensive Analysis for Visual Object Hallucination in Large Vision-Language Models.**
Liqiang Jing, Guiming Hardy Chen, Ehsan Aghazadeh, Xin Eric Wang, Xinya Du
Under review by the Annual Meeting of the Association for Computational Linguistics (ACL), 2026.

[3] **Learning to Generate Research Idea with Dynamic Control.**
Ruochen Li, **Liqiang Jing**, Chi Han, Jiawei Zhou, Xinya Du
Under review by the Annual Meeting of the Association for Computational Linguistics (ACL), 2026.
Best Paper Award at AAAI AI4Research

[4] **Multimodal Reference Visual Grounding.**
Yangxiao Lu, Ruosen Li, Liqiang Jing, Jikai Wang, Xinya Du, Yunhui Guo, Nicholas Ruozzi, Yu Xiang **Liqiang Jing**, Guiming Hardy Chen, Ehsan Aghazadeh, Xin Eric Wang, Xinya Du
Under review by the International Conference on Robotics and Automation (ICRA), 2026.

[5] **Dr.V: A Hierarchical Perception-Temporal-Cognition Framework to Diagnose Video Hallucination by Fine-grained Spatial-Temporal Grounding.**
Meng Luo, Shengqiong Wu, **Liqiang Jing**, Tianjie Ju, Li Zheng, Jinxiang Lai, Tianlong Wu, Xinya Du, Jian Li, Siyuan Yan, Jiebo Luo, William Yang Wang, Hao Fei, Mong-Li Lee, Wynne Hsu
Under review by International Journal of Computer Vision (IJCV).

[6] **LMR-Bench: Evaluating LLM Agent's Ability on Reproducing Language Modeling Research**
Shuo Yan*, Ziming Luo*, Zimu Wang*, Ruochen Li*, Daoyang Li*, **Liqiang Jing**†, Kaiyu He, Peilin Wu, Juntong Ni, George Michalopoulos, Yue Zhang, Ziyang Zhang, Mian Zhang, Zhiyu Chen, Xinya Du
In Conference on Empirical Methods in Natural Language Processing (EMNLP), 2025.

[7] **FIHA: Autonomous Hallucination Evaluation in Vision-Language Models with Davidson Scene Graphs**
Liqiang Jing*, Bowen Yan*, Zhengsong Zhang*, Eftekhar Hossain, Xinya Du
In Findings of the Annual Meeting of the Association for Computational Linguistics (ACL), 2025.

[8] **Can Large Vision-Language Models Understand Multimodal Sarcasm?**
Xinyu Wang*, Yue Zhang*, **Liqiang Jing**†
In ACM International Conference on Information and Knowledge Management (CIKM), 2025.
Best Paper Candidate

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

Liqiang Jing, Xinya Du
In Transactions on Machine Learning Research (TMLR), 2025

[10] **Defeasible Visual Entailment: Benchmark, Evaluator, and Reward-Driven Optimization.**
Yue Zhang, **Liqiang Jing**†, Vibhav Gogate
In Annual AAAI Conference on Artificial Intelligence (AAAI), 2025

[11] **Fine-grained and Explanable Factuality Evaluation for Multimodal Summarization.**
Yue Zhang, Jingxuan Zuo, **Liqiang Jing**†
In AAAI-25 Workshop on Document Understanding and Intelligence (AAAI), 2025

[12] **Sentiment-enhanced Graph-based Sarcasm Explanation in Dialogue.**
Kun Ouyang, **Liqiang Jing**†, Xuemeng Song, Meng Liu, Yupeng Hu, Liqiang Nie
In IEEE Transactions on Multimedia (TMM), 2025

[13] **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
In the International Conference on Learning Representations (ICLR), 2025
HuggingFace #1 Paper of the day
Used by OpenAI for ChatGPT agent evaluation in OpenAI official blog

[14] **Debiasing Multimodal Sarcasm Detection with Contrastive Learning.**
Mengzhao Jia, Can Xie, **Liqiang Jing**†
In Annual AAAI Conference on Artificial Intelligence (AAAI), 2024

[15] **Knowledge-enhanced Memory Model for Emotional Support Conversation.**
Mengzhao Jia, Qianglong Chen, **Liqiang Jing**, Dawei Fu, Renyu Li
In AAAI Machine Learning for Cognitive and Mental Health Workshop (AAAI), 2024

[16] **VK-G2T: Vision and Context Knowledge Enhanced Gloss2Text.**
Liqiang Jing, Xuemeng Song, Xinxing Zu, Na Zheng, Zhongzhou Zhao, Liqiang Nie
In IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2024

[17] **A Unified Hallucination Mitigation Framework for Large Vision-Language Models.**
Liqiang Jing*, Yue Chang*, Xiaopeng Zhang*, Yue Zhang
In Transactions on Machine Learning Research (TMLR), 2024.

[18] **FaithScore: Fine-grained Evaluations of Hallucinations in Large Vision-Language Models.**
Liqiang Jing, Ruosen Li, Yunmo Chen, Xinya Du
In Findings of Conference on Empirical Methods in Natural Language Processing (EMNLP), 2024.

[19] **Vision Enhanced Generative Pre-trained Language Model for Multimodal Sentence Summarization.**
Liqiang Jing, Yiren Li, Junhao Xu, Yongcan Yu, Pei Shen, Xuemeng Song
In Machine Intelligence Research, 2024.

[20] **Mutual-enhanced Incongruity Learning Network for Multi-modal Sarcasm Detection.**
Yang Qiao, **Liqiang Jing**†, Xuemeng Song, Xiaolin Chen, Lei Zhu, Liqiang Nie
In Annual AAAI Conference on Artificial Intelligence (AAAI), 2023. (Oral)

[21] **Adapting Generative Pretrained Language Model for Open-domain Multimodal Sentence Summarization.**
Dengtian Lin, **Liqiang Jing**†, Xuemeng Song, Meng Liu, Teng Sun, Liqiang Nie

In International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR), 2023. (Oral)

[22] **Dual Consistency-enhanced Semi-supervised Sentiment Analysis towards COVID-19 Tweets.**
Teng Sun, **Liqiang Jing**, Yinwei Wei, Xuemeng Song, Zhiyong Cheng, Liqiang Nie
In IEEE Transactions on Knowledge and Data Engineering (TKDE), 2023

[23] **Multi-source Semantic Graph-based Multimodal Sarcasm Explanation Generation.**
Liqiang Jing, Xuemeng Song, Kun Ouyang, Mengzhao Jia, Liqiang Nie
In the Annual Meeting of the Association for Computational Linguistics (ACL), 2023.

[24] **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
In ACM Transactions on Information Systems (TOIS), 2023.

[25] **Multimodal Dialog Systems with Dual Knowledge-enhanced Generative Pretrained.**
Xiaolin Chen, Xuemeng Song, **Liqiang Jing**, Shuo Li, Linmei Hu, Liqiang Nie
In ACM Transactions on Information Systems (TOIS), 2023.

[26] **General Debiasing for Multimodal Sentiment Analysis.**
Teng Sun, Juntong Ni, Wenjie Wang, **Liqiang Jing**, Yinwei Wei, Liqiang Nie
In ACM International Conference on Multimedia (MM), 2023.

[27] **V2P: Vision-to-Prompt based Multi-Modal Product Summary Generation.**
Xuemeng Song, **Liqiang Jing**, Dengtian Lin, Zhongzhou Zhao, Haiqing Chen, Liqiang Nie
In International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR), 2022. (Oral)

[28] **Counterfactual Reasoning for Out-of-distribution Multimodal Sentiment Analysis.**
Teng Sun, Wenjie Wang, **Liqiang Jing**, Yiran Cui, Xuemeng Song, Liqiang Nie
In ACM International Conference on Multimedia (MM), 2022. (Oral)
Area Chair Award Recommendation

[29] **CI-OCM: Counterfactural Inference towards Unbiased Outfit Compatibility Modeling.**
Liqiang Jing, Minghui Tian, Xiaolin Chen, Teng Sun, Weili Guan, Xuemeng Song
In ACM MM Workshop on Multimedia Computing towards Fashion Recommendation (MM), 2022.

Grants

Lambda's Research Grant Program (PI $2,000)	2025
ICLR Financial Assistance ($425)	2025
OpenAI Researcher Access Program Award (PI, $1,000)	2025
OpenAI Researcher Access Program Award (PI: $4,000)	2024
Amazon Trusted AI Challenge (Team Leader, $250,000+)	2024
SIGIR Student Travel Award (150 Euros)	2022

Teaching Assitant

Natural Language Processing, University of Texas at Dallas, Fall 2025

Introduction to Machine Learning, University of Texas at Dallas, Spring 2024

Natural Language Processing, University of Texas at Dallas, Fall 2023

Machine Learning, Shandong University, Spring 2021

Mentoring Experience

Xinyu Wang (2025, Undergraduate at Shandong University)
Publication: CIKM 2025 (Best Paper Candidate)

Ziyang Zhang (2025, Undergraduate at Shandong University)
Publications: submitted 2 papers to ACL ARR

Zhengsong Zhang (2024, Undergraduate at McGill University, UT Dallas Visiting student)
Publications: ACL 2025

Bowen Yan (2024, UT Dallas Visiting student)
Publications: ACL 2025

Eftekhar Hossain (2024, Assistant Professor in CUET→Ph.D. at UCF)
Publications: ACL 2025

Ehsan Aghazadeh (2024, Ph.D. at UMass)
Publications: Submit 1 paper to ARR

Xiaopeng Zhang (2023)
Publications: TMLR 2024

Yue Chang (2023)
Publications: TMLR 2024

Jingxuan Zuo (2023, Undergraduate at Shandong University)
Publications: AAAI 2025 Workshop

Kun Ouyang (2022-2023, Undergraduate at Shandong University → Ph.D. at Peking University)
Publications: ACL 2023, ACM TMM 2025

Can Xie (2023, Undergraduate at Shandong University → Ph.D. at Institute of Automation, CAS)
Publications: AAAI 2024

Juntong Ni (2022, Undergraduate at Shandong University → Ph.D. at Emory University)
Publication: ACM MM 2023

Yongcan Yu (2022, Undergraduate at Shandong University → Master at Institute of Automation, CAS)
Publication: Machine Intelligence Research 2023

Junhao Xu (2022, Undergraduate at Shandong University → Master at Fudan University)
Publication: Machine Intelligence Research 2023

Minghui Tian (2022, Undergraduate at Shandong University →Ph.D. at Shandong University)
Publication: ACM MM 2022 Workshop

Yiran Cui (2021, Undergraduate at Shandong University → Ruoyu Tec)
Publications: ACM MM 2022

Dengtian Lin (2021-2022, Master at Shandong University)
Publication: ACM SIGIR 2022, ACM SIGIR 2023

Yang Qiao (2021-2022, Master at Shandong University → Ph.D. in Emory University)
Publication: AAAI 2023

Academic Services

Organizing Committee

The First Workshop on Multimodal Knowledge and Language Modeling.
Organizing team: Liqiang Jing, Xinya Du, Hao Fei, Jing Gu, Manling Li, Aixin Sun, William Wang.
In International Joint Conference on Artificial Intelligence (IJCAI), 2025.

Tutorial: Hallucinations in Large Language Models and Large Vision-Language Models.
Organizing team: Liqiang Jing, Yue Zhang, Xinya Du.
In International Conference on Multimedia Retrieval (ICMR), 2025.

Area Chair

BMVC (The British Machine Vision Conference).

Program Committee/Conference Reviewer

ICLR (International Conference on Learning Representations).
NeurIPS (Conference on Neural Information Processing Systems).
ICML (International Conference on Machine Learning).
ACL (Annual Meeting of the Association for Computational Linguistics).
EMNLP (Conference on Empirical Methods in Natural Language Processing).
NAACL (Conference of the North American Chapter of the Association for Computational Linguistics).
COLING (Conference on Computational Linguistics).
CVPR (Computer Vision and Pattern Recognition Conference).
AAAI (AAAI Conference on Artificial Intelligence).
LREC (Language Resources and Evaluation Conference).
MM (International Conference on Multimedia).

Journal Reviewer

TMM (IEEE Transactions on Multimedia).
TASLP (IEEE Transactions on Audio, Speech and Language Processing).
TCSVT (IEEE Transactions on Circuits and Systems for Video Technology).
Information Sciences.
Neurocomputing.

Talks

FIHA: Autonomous Hallucination Evaluation in Vision-Language Models with Davidson Scene Graphs.
NICE (NLP Academic Exchange Platform). June, 2025.

Factuality Evaluation for Multimodal Summarization.
The AAAI-25 Workshop on Document Understanding and Intelligence. Mar, 2025.

Evaluating Hallucination in LVLMs.
AGI Super Summit hosted by SuperAGI. Feb, 2024.

Counterfactual Reasoning for Out-of-distribution Multimodal Sentiment Analysis.
ACM MM. Oct, 2022.

CI-OCM: Counterfactual Inference towards Unbiased Outfit Compatibility Modeling.
ACM MCFR 2022. Oct, 2022.

V2P: Vision-to-Prompt based Multi-Modal Product Summary Generation.
ACM SIGIR. Jul, 2022.