Liqiang Jing

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Education

The University of Texas at Dallas	**08/2023 - Present**

PhD Student in Computer Science. GPA: 4.0/4.0.

Advised by Xinya Du.

Teacher Assistant. Research Assistant.

Research Interest: Multimodal Learning and Natural Language Processing.

Shandong University	**09/2020 – 06/2023**

M.Sc. in Computer Technology.

Advised by Xuemeng Song and Liqiang Nie. GPA: 85.82/100.

Hefei University of Technology	**09/2016 - 06/2020**

B.E. in Computer Science and Technology. GPA: 3.7/4.3.

Publication

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

Debiasing Multimodal Sarcasm Detection with Contrastive Learning
Mengzhao Jia, Can Xie, Liqiang Jing. AAAI 2024.

VK-G2T: Vision and Context Knowledge enhanced Gloss2Text.
Liqiang Jing, Xuemeng Song, Xinxing Zu, Na Zheng, Zhongzhou Zhao, Liqiang Nie. ICASSP 2024.

Multi-source Semantic Graph-based Multimodal Sarcasm Explanation Generation.
Liqiang Jing, Xuemeng Song, Kun Ouyang, Mengzhao Jia, Liqiang Nie. ACL. 2023.

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.

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.

Knowledge-enhanced Memory Model for Emotional Support Conversation.
Mengzhao Jia, Qianglong Chen, Liqiang Jing, Dawei Fu, Renyu Li. AAAI 2024..

General Debiasing for Multimodal Sentiment Analysis.
Teng Sun, Juntong Ni, Wenjie Wang, Liqiang Jing, Yinwei Wei, Liqiang Nie. ACM MM. 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.

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.

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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.*

Mutual-enhanced Incongruity Learning Network for Multi-modal Sarcasm Detection.
*Yang Qiao, **Liqiang Jing**, Xuemeng Song, Xiaolin Chen, Lei Zhu, Liqiang Nie. AAAI. 2023.*

Debiased Outfit Compatibility Modeling with Counterfactual Inference.
***Liqiang Jing**, Minghui Tian, Xiaolin Chen, Teng Sun, Weili Guan, Xuemeng Song. ACM MM. MCFR. 2022.*

Counterfactual Reasoning for Out-of-distribution Multimodal Sentiment Analysis.
*Teng Sun, Wenjie Wang, **Liqiang Jing**, Yiran Cui, Xuemeng Song, Liqiang Nie. ACM MM. 2022.*

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.*

Preprint

FIHA: Fine-grained Hallucinations Evaluations in Large Vision Language Models
Bowen Yan, Zhengsong Zhang*, **Liqiang Jing***, Eftekhar Hossain, Xinya Du. (*Equal Contribution) Under Review by ARR.*

FGAIF: Aligning Large Vision-Language Models with Fine-grained AI Feedback
***Liqiang Jing**, Xinya Du. Under Review by TMLR.*

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. Under Review by ICLR 2025.*

Sentiment-enhanced Graph-based Sarcasm Explanation in Dialogue.
*Kun Ouyang, **Liqiang Jing**, Xuemeng Song, Feng Zheng, Liqiang Nie. Under Review by TMM.*

Defeasible Visual Entailment: Benchmark, Evaluator, and Reward-Driven Optimization
*Yuezhang, **Liqiang Jing**, Vibhav Gogate. Under Review by AAAI 2025.*

User-Level Safety Alignment
Ziyang Zhang, **Liqiang Jing***. (*Equal Contribution). Under Review by ICASSP 2025.*

Can Large Vision-Language Models Understand Sarcasm?
Xinyu Wang, **Liqiang Jing***, Yue Zhang. (*Equal Contribution). Under Review by ICASSP 2025.*

Intern Experience

Research Intern. AI Lab, Tencent America   **05/2024 - 08/2024**
Mentored by Xiaoyang Wang, Wenhao Yu, Wenlin Yao, Kaixin Ma, Dong Yu

➢ Focus on evaluating data science agents and large language/vision-language models with data science tasks.
➢ 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.

Research Intern. Damo Academy, Alibaba Group   **05/2022 - 09/2022**
Mentored by Xinxing Zu and Zhongzhou Zhao

➢ Focus on sign language translation to help normal people with deaf people better communicate.

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- ➢ 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.

Research Intern. Damo Academy, Alibaba Group   **08/2021 - 01/2022**

Mentored by Xuming Lin and Zhongzhou Zhao

- ➢ Proposed a new data-to-text generation task: stylized data-to-text generation.
- ➢ The proposed methods achieved new state-of-the-art performances on multimodal product summarization and stylized data-to-text generation.
- ➢ Relevant achievements have been deployed to Damo Academy's intelligent virtual anchor platform.

Honors & Awards

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
First Class Scholarship, Hefei University of Technology	2018, 2019

Academy Service

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.