

# Liqiang Jing

Email: jingliqiang6@gmail.com

Tel: +86 15275370740

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## Education

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**The University of Texas at Dallas**

**08/2023 - Present**

PhD in Computer Science

**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.

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## Research Interest

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- **Multimodal Deep Learning:** Interested in building multimodal deep learning systems, especially vision-language understanding (including sentiment analysis), generation (including multimodal summarization, dialogue response, and sarcasm explanation), and training-free multimodal.
- **Natural Language Processing/Generation:** Interested in the stylized generation, data-to-text generation, text classification with limited data, and knowledge representation learning.
- **Causal Effect:** Interested in the application of causal inference to multimodal tasks.

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## Publications

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### Language Generation

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**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.*

**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.*

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

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

**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.*

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

*Liqiang Jing, Xuemeng Song, Xinxing Zu, Na Zheng, Zhongzhou Zhao, Liqiang Nie. Under Review by EMNLP 2023.*

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

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Mengzhao Jia, Qianglong Chen, **Liqiang Jing**, Dawei Fu, Renyu Li. Under Review by EMNLP 2023.

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

Kun Ouyang, **Liqiang Jing**, Xuemeng Song, Feng Zheng, Liqiang Nie. Under Review by AAAI 2024.

## Language Understanding

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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.

## Causal Effect

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

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

### Debiased Outfit Compatibility Modeling with Counterfactual Inference.

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

### General Debiasing for Multimodal Sentiment Analysis.

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

### Debiasing Multimodal Sarcasm Detection with Contrastive Learning

Mengzhao Jia, Can Xie, **Liqiang Jing**. Under Review by AAAI 2024.

## Intern Experience

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### Research Intern. Damo Academy, Alibaba Group

05/2022 - 09/2022

Mentored by [Xinxing Zu](#) and [Zhongzhou Zhao](#)

- Focusing 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.

### 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

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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

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Invited Reviewers for conferences: ACM MM 2022, NeurIPS 2022, ICML 2023, NeurIPS 2023, EMNLP 2023, ICLR 2024.

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Invited Reviewers for journals: Information Sciences, IEEE TMM, IEEE TCSVT.