Liqiang Jing

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Education

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

M.Sc. in Computer Technology.

Supervised by Prof. Xuemeng Song, and co-supervised by Prof. 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.

Research Interest

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

Publications & Manuscripts

Language Generation

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 (Oral).*

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 (Major Revision).*

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.*

Adapting Generative Pretrained Language Model for General Multimodal Sentence Summarization.
*Dengtian Lin, **Liqiang Jing**, Xuemeng Song, Teng Sun, Meng Liu, Liqiang Nie. Under Review by SIGIR.*

Dual Knowledge-enhanced Multimodal Dialog Systems with Generative Pretrained Language Model.
*Xiaolin Chen, Xuemeng Song, **Liqiang Jing**, Shuo Li, Linmei Hu, Liqiang Nie. Under Review by ACM TOIS.*

Memory-enhanced Model Exploiting Multi-source Knowledge for Emotional Support Conversation.
Mengzhao Jia, Qianglong Chen, Yuren Li, Liqiang Jing. Under Review by ACL.

A Simple and Effective Gloss2Text Method Enhanced by Vision and Context Knowledge
Liqiang Jing, Xuemeng Song, Xinxing Zu, Na Zheng, Zhongzhou Zhao, Liqiang Nie. Under Review by ACL.

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

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Language Understanding

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 (Major Revision).*

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

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

General Debiasing for Multimodal Sentiment Analysis.
Teng Sun, Juntong Ni, Wenjie Wang, Liqiang Jing, Yichen Zheng, Liqiang Nie. Under Review by SIGIR.

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

Intern Experience

Damo Academy, Alibaba Group **08/2021 - 05/2022**

Research Intern, Mentored by 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

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

Professional Services

Invited Reviewer for Conference: ACM MM 2022, NeurIPS2022
Invited Reviewer for Journal: Information Sciences, TMM

Teaching

Teaching Assistant

- SD01320190, Machine Learning and Pattern Recognition, Shandong University, Spring 2021