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 representation learning.

➢ **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. Manuscript.*

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.*

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.*

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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).*

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

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