

# 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.

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## 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 Effect:** Interested in the application of causal inference to multimodal tasks.

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## Publications & Manuscripts

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### 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*.

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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*.

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## 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 (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

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### 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

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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

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Invited Reviewer for Conference: ACM MM 2022, NeurIPS2022

Invited Reviewer for Journal: Information Sciences