

Liqiang Jing

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EDUCATION

Shandong University

Sep 2020 - Present

M.Sc. in Computer Technology, supervised by A/Prof. [Xuemeng Song](#), [iLEARN](#).

GPA: 85.82/100.

Hefei University of Technology

Sep 2016 - Jul 2020

B.E. in Computer Science and Technology.

GPA: 3.7/4.3.

PUBLICATIONS

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).

- We propose a vision-to-prompt based multi-modal product summary generation framework, which maps the visual information of products to attribute prompts.
- My main contributions to this work include the main idea, part of the experiments, the paper writing of the related work and method, and comments on the whole paper writing.

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, Award)

- We present a model-agnostic counterfactual multimodal sentiment analysis framework that can mitigate its harmful effect caused by the spurious correlations between textual modality and the sentiment labels.
- My contributions to this work include the discussion of the idea and all paper writing except the related work.

Debiased Outfit Compatibility Modeling with Counterfactual Inference

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

- To remove this bad effect from the category on compatibility, we present a counterfactual inference framework for outfit compatibility modeling, which can capture the direct effect of the category on model prediction in the training phase and then subtract it from the total effect in the testing phase to achieve de-biased prediction.
- My contributions to this work include the main idea, the paper writing except experiment, and polishing all the paper writing.

PREPRINTS or SUBMISSION

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. Under review by ACM TOIS.

- We propose a new stylized data-to-text generation task a novel stylized data-to-text generation model for logic modeling, style extraction and unbiased text generation.
- My contributions to this work include the main idea, all experiments, and paper writing.

Vision Enhanced Generative Pre-trained Language Model for Multimodal Sentence Summarization.

Liqiang Jing, Junhao Xu, Yongcan Yu, Yiren Li, Pei Shen, Xuemeng Song. Under review by Machine Intelligence Research.

- We devise a vision-enhanced generative pre-trained language model for multimodal sentence summarization which enhances the visual understanding capability of the generative pre-trained language model by the vision-oriented pre-training stage.
- My contributions to this work include the main idea, all experiments, and paper writing.

Dual Consistency-enhanced Semi-supervised Sentiment Analysis towards COVID-19 Tweets.

Teng Sun, Liqiang Jing, Yinwei Wei, Xuemeng Song, Zhiyong Cheng, Liqiang Nie. Under review by IEEE TKDE.

- We propose a dual consistency-enhanced semi-supervised network for sentiment analysis which introduces a knowledge-based augmentation to augment data and enhance the model robustness and a dual consistency regularization to promote the model performance with unlabeled data.
- My contributions to this work include the main idea, system implementation, all the experiments, and all the paper writing except the introduction.

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.

- We propose a novel dual knowledge-enhanced multimodal dialog system, where a generative pretrained language model BART is adopted as the backbone. It consists of three key components: dual knowledge selection, dual knowledge-enhanced context learning, and knowledge-enhanced response generation.
- My contributions to this work include discussing of the main idea and polishing the paper writing.

Mutual-enhanced Incongruity Learning Network for Multi-modal Sarcasm Detection.

Yang Qiao, Liqiang Jing, Xuemeng Song, Liqiang Nie. Under review by AAAI 2023.

- We propose a global-local composition mutual enhancement model, which utilizes both entities and highly abstract visual/semantic features to boost sarcasm detection.

- I lead this project. My main contributions include the selection of research topic, determination of research direction, the main idea, arrangement of experiments, and the polishing of the paper writing.

Adapting Generative Pretrained Language Model for General Multimodal Sentence Summarization.

*Dengtian Lin, **Liqiang Jing**, Xuemeng Song, Liqiang Nie. Under review by AAAI 2023.*

- We propose a vision-guided generative pre-trained language model for multimodal sentence summarization, where the continuous prompts and vision-guided highlight information extraction are equipped.
- I lead this project. My main contributions include the selection of research topic, determination of research direction, the main idea, arrangement of experiments, and the polishing of the paper writing.

INTERN EXPERIENCE

Damo Academy, Alibaba Group

Aug 2021 - Present

Research Intern

PROJECT EXPERIENCE

Sign Language Virtual Host - Xiao Mo

[To provide more intelligent, richer, and warmer services for the hearing impaired.](#)

Taobao Virtual Host

[Virtual anchors](#) sell goods on [Taobao](#) livestream.

Professional Service

Reviewer

ACM MM MCFR 2022, NeurIPS 2022.

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