

## Research Interests

**Fine-grained Sentiment Analysis**, mainly includes Aspect-based Sentiment Analysis, Target-Oriented Opinion Words Extraction, Target-Oriented Multimodal Sentiment Classification, Few-shot Text classification and Multimodal Sentiment Analysis.

## Experiences

2020.04–2020.11 **Tencent WeChat, Search Application Department.**  
Research Intern Query intention Classification in WeChat search module.

## Education

2021.09–Present **Nanjing University (NJU).**  
Ph.D. School of Artificial Intelligence.  
Supervisor: [Xinyu Dai](#).

2018.09–2021.06 **Nanjing University (NJU).**  
M.Sc. Department of Computer Science and Technology.  
Supervisor: [Xinyu Dai](#).  
Thesis: Fine-grained Text Classification.

2014.09–2018.06 **Nanjing Normal University (NJNU).**  
B.Sc. School of Computer and Electronic Information/School of Artificial Intelligence.  
Ranking: 1/54  
Thesis: Research on the Relation Extraction in Legal Case Documents.

## Research Publications

(\* indicates equal contribution)

- COLING 2022 **Learning from Adjective-Noun Pairs: A Knowledge-enhanced Framework for Target-Oriented Multimodal Sentiment Classification.**  
Fei Zhao, Zhen Wu, Siyu Long, Xinyu Dai, Shujian Huang, Jiajun Chen  
*The 29th International Conference on Computational Linguistics. (COLING 2022),*  
(CORE2020 Rank: CCF B).
- ACMMM 2022 **Learning from Different text-image Pairs: A Relation-enhanced Graph Convolutional Network for Multimodal NER.**  
Fei Zhao, Chunhui Li, Zhen Wu, Shangyu Xing, Xinyu Dai  
*The 30th ACM International Conference on Multimedia. (ACMMM 2022),*  
(CORE2020 Rank: CCF A).
- COLING 2020 **Attention Transfer Network for Aspect-level Sentiment Classification.**  

Oral

 Fei Zhao, Zhen Wu, Xinyu Dai  
*The 28th International Conference on Computational Linguistics. (COLING 2020),*  
(CORE2020 Rank: CCF B).
- AAAI 2020 **Latent Opinions Transfer Network for Target-Oriented Opinion Words Extraction.**  

Oral

 Zhen Wu\*, Fei Zhao\*, Xinyu Dai, Shujian Huang, Jiajun Chen  
*Thirty-Fourth AAAI Conference on Artificial Intelligence. (AAAI 2020),*  
(CORE2020 Rank: CCF A).

Finding of EMNLP 2020 **Grid Tagging Scheme for Aspect-oriented Fine-grained Opinion Extraction.**  
Zhen Wu, Chengcan Ying, Fei Zhao, Xinyu Dai, Rui Xia  
*Findings of Empirical Methods in Natural Language Processing, 2020.*

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## Awards

2017 National Scholarship  
2018 *Outstanding Graduate* of Nanjing Normal University.  
2018 *Outstanding Undergraduation Thesis* of Nanjing Normal University.  
2020 Nanjing University Huawei Scholarship.  
2021 *Outstanding Graduate* of Nanjing University.

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## Computer Skills

Programming Tensorflow and PyTorch, please see Github for details  
Language English (CET-6)

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## Academic Activities

PC Member AAAI 2023, EMNLP 2022, AAAI 2022, AAAI 2021, ACL 2021, ACL Rolling Review