

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)

- TASLP 2023 **Label-correction Capsule Network for Hierarchical Text Classification.**
Fei Zhao, Zhen Wu, Liang He, Xinyu Dai
IEEE Transactions on Audio, Speech and Language Processing. (TASLP 2023)
- EMNLP 2022 **Label-Driven Denoising Framework for Multi-Label Few-Shot Aspect Category Detection.**
Fei Zhao*, Yuchen Shen*, Zhen Wu, Xinyu Dai
Findings of Empirical Methods in Natural Language Processing, 2022. (EMNLP-2022 Findings)
- 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),
- 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),
- 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),

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),

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. (EMNLP-2020 Findings)

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.

2022 Nanjing University Huawei Scholarship.

Computer Skills

Programming Tensorflow and PyTorch, please see Github for details

Language English (CET-6)

Academic Activities

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