Fei Zhao 赵飞

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Research Interests

Sentiment Analysis and Stylistic Analysis.
Information Extraction and NLP Applications.
Multimodal Large Language Models.

Experiences

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

Education

2021.09–Present Ph.D.	**Nanjing University (NJU)**. School of Artificial Intelligence. Supervisor: Xinyu Dai.
2018.09–2021.06 M.Sc.	**Nanjing University (NJU)**. Department of Computer Science and Technology. Supervisor: Xinyu Dai. Thesis: Fine-grained Text Classification.
2014.09–2018.06 B.Sc.	**Nanjing Normal University (NJNU)**. 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)

Arxiv	**AlignGPT: Multi-modal Large Language Models with Adaptive Alignment Capability**. Fei Zhao*, Taotian Pang*, Chunhui Li, Zhen Wu, Junjie Guo, Shangyu Xing, Xinyu Dai
Arxiv	**EFUF: Efficient Fine-grained Unlearning Framework for Mitigating Hallucinations in Multimodal Large Language Models**. Shangyu Xing, Fei Zhao, Zhen Wu, Tuo An, Weihao Chen, Chunhui Li, Jianbing Zhang, Xinyu Dai *Under review*
Arxiv	**Dynamic Demonstrations Controller for In-Context Learning**. Fei Zhao, Taotian Pang, Zhen Wu, Zheng Ma, Shujian Huang, Xinyu Dai *Under review*
ACL 2024	**A Two-Agent Game for Zero-shot Relation Triplet Extraction**. Ting Xu, Haiqin Yang, Fei Zhao, Zhen Wu, and Xinyu Dai *The 62nd Annual Meeting of the Association for Computational Linguistics.* (**ACL-2024 Findings**)
ACL 2024	**MultiSQL: A Schema-Integrated Context-Dependent Text2SQL Dataset with Diverse SQL Operations**. Chunhui Li, Yifan Wang, Zhen Wu, Zhen Yu, Fei Zhao, Shujian Huang, and Xinyu Dai *The 62nd Annual Meeting of the Association for Computational Linguistics.* (**ACL-2024 Findings**)

EMNLP 2023   **M2DF: Multi-grained Multi-curriculum Denoising Framework for Multimodal Aspect-based Sentiment Analysis**.
Fei Zhao*, Chunhui Li*, Zhen Wu, Yawen Ouyang, Jianbing Zhang and Xinyu Dai
The 2023 Conference on Empirical Methods in Natural Language Processing. (**EMNLP 2023**)

ACM MM 2023   **DRIN: Dynamic Relation Interactive Network for Multimodal Entity Linking**.
Shangyu Xing*, Fei Zhao*, Zhen Wu, Chunhui li, Jianbing Zhang and Xinyu Dai
The 31th ACM International Conference on Multimedia. (**ACM MM 2023**)

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**)

ACL 2023   **Measuring Your ASTE Models in The Wild: A Diversified Multi-domain Dataset For Aspect Sentiment Triplet Extraction**.
Ting Xu, Huiyun Yang, Zhen Wu, Jiaze Chen, Fei Zhao and Xinyu Dai
The 61st Annual Meeting of the Association for Computational Linguistics (**ACL-2023 Findings**)

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**)

ACM MM 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. (**ACM MM 2022**)

COLING 2020   **Attention Transfer Network for Aspect-level Sentiment Classification**.
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**.
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.

2023   Nanjing University First-Class Yingcai Scholarship.

Computer Skills

Programming   Tensorflow and PyTorch, please see Github for details

Lanauage   English (CET-6)

Academic Activities

PC Member   NIPS 2024, AAAI 2021, AAAI 2022, AAAI 2023, AAAI 2024, EMNLP 2022, EMNLP 2023, ACL 2021, ACL 2023, ACL 2024, NAACL 2022, NAACL 2024, ACM MM 2023, ACL Rolling Review