赵飞 *(Fei Zhao)*

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研究领域

情感分析和文体分析.

信息提取和 **NLP** 应用.

大型语言模型.

实习经历

2020.04–2020.11 科研实习	**腾讯微信事业群，搜索应用部**. 实习方向: 微信搜一搜模块中的用户意图识别

教育背景

2021.09–现在 博士	**南京大学，人工智能学院**. 科研导师: 戴新宇教授
2018.09–2021.06 硕士	**南京大学，计算机科学与技术系**. 排名: 中期考核优秀 科研导师: 戴新宇教授 毕设论文:《细粒度文本分类研究》
2014.09–2018.06 本科	**南京师范大学，计算机与电子信息学院/人工智能学院**. 排名: 1/54 毕设论文:《法律案例文档中的实体关系抽取实现研究》, 校级优秀毕设

论文发表

(* indicates equal contribution)

TASLP 2023	**Label-correction Capsule Network for Hierarchical Text Classification**. 赵飞，吴震, 何亮，戴新宇 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**. 徐婷，杨慧云，吴震，陈家哲，赵飞，戴新宇 The 61st Annual Meeting of the Association for Computational Linguistics (**Findings of ACL 2023**),
EMNLP 2022	**Label-Driven Denoising Framework for Multi-Label Few-Shot Aspect Category Detection**. 赵飞 *，沈禹辰 *, 吴震, 戴新宇 Conference on Empirical Methods in Natural Language Processing (**Findings of EMNLP 2022**),

COLING 2022	**Learning from Adjective-Noun Pairs: A Knowledge-enhanced Framework for Target-Oriented Multimodal Sentiment Classification**. 赵飞, 吴震, 龙思宇, 戴新宇, 黄书剑, 陈家骏 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**. 赵飞, 李春晖, 吴震, 刑尚禹, 戴新宇 The 30th ACM International Conference on Multimedia. (**ACM MM 2022**),
COLING 2020 Oral	**Attention Transfer Network for Aspect-level Sentiment Classification**. 赵飞 *, 吴震 *, 戴新宇 The 28th International Conference on Computational Linguistics (**COLING 2020**),
AAAI 2020 Oral	**Latent Opinions Transfer Network for Target-Oriented Opinion Words Extraction**. 吴震 *, 赵飞 *, 戴新宇, 黄书剑, 陈家骏 Thirty-Fourth AAAI Conference on Artificial Intelligence (**AAAI'20**),
EMNLP 2020	**Grid Tagging Scheme for Aspect-oriented Fine-grained Opinion Extraction**. 吴震, 应澄粲, 赵飞, 范志方, 戴新宇, 夏睿 Conference on Empirical Methods in Natural Language Processing (**Findings of EMNLP 2020**),

获奖情况

2017	国家奖学金
2018	南京师范大学优秀毕业生
2018	南京师范大学优秀毕业论文
2020	南京大学华为奖学金
2021	南京大学优秀毕业生
2022	南京大学华为奖学金

技术能力

语言	英语 (CET-6)
编程	Tensorflow 和 PyTorch, 主要使用 Tensorflow, 详情请见 Github

学术服务

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

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Research Interests

Sentiment Analysis and Stylistic Analysis.
Information Extraction and NLP Applications.
Large Language Models and the Future of NLP.

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)

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 (**Findings of ACL 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**),

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 Oral	**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 Oral	**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.

Computer Skills

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

Academic Activities

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