# 赵飞 (Fei Zhao)

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🖰 https://github.com/1429904852

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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.

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## 实习经历

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

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## 教育背景

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| 2021.09–现在<br>博士 | **南京大学，人工智能学院**.<br>科研导师: 戴新宇教授 |
| 2018.09–2021.06<br>硕士 | **南京大学，计算机科学与技术系**.<br>排名: 中期考核优秀<br>科研导师: 戴新宇教授<br>毕设论文:《细粒度文本分类研究》 |
| 2014.09–2018.06<br>本科 | **南京师范大学，计算机与电子信息学院/人工智能学院**.<br>排名: 1/54<br>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 |

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## 论文发表

(\* indicates equal contribution)

| | |
|---|---|
| EMNLP 2023 | **M2DF: Multi-grained Multi-curriculum Denoising Framework for Multimodal Aspect-based Sentiment Analysis**.<br>赵飞 \*, 李春晖 \*, 吴震, 欧阳亚文, 张建兵, 戴新宇<br>The 2023 Conference on Empirical Methods in Natural Language Processing. (**EMNLP 2023**), |
| ACM MM 2023 | **DRIN: Dynamic Relation Interactive Network for Multimodal Entity Linking**.<br>刑尚禹 \*, 赵飞 \*, 吴震, 李春晖, 张建兵, 戴新宇<br>The 31th ACM International Conference on Multimedia. (**ACM MM 2023**), |
| TASLP 2023 | **Label-correction Capsule Network for Hierarchical Text Classification**.<br>赵飞, 吴震, 何亮, 戴新宇<br>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**.<br>徐婷, 杨慧云, 吴震, 陈家哲, 赵飞, 戴新宇<br>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 **Attention Transfer Network for Aspect-level Sentiment Classification**.
Oral

赵飞 *, 吴震 *, 戴新宇

The 28th International Conference on Computational Linguistics (**COLING 2020**),

AAAI 2020 **Latent Opinions Transfer Network for Target-Oriented Opinion Words Extraction**.
Oral

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 |
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| 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) |
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| 编程 | Tensorflow 和 PyTorch, 主要使用 Tensorflow, 详情请见 Github |

## 学术服务

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

# Fei Zhao 赵飞

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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)

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 (**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 <br> 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 <br> 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 |
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| Lanauage | English (CET-6) |

## Academic Activities

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