Xiutian Zhao

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Education

2024 – · · · · **MSc. in Speech and Language Processing,** University of Edinburgh.
Edinburgh, U.K.

2017 – 2019 **M.S. in Applied Statistics,** Columbia University.
New York City, U.S.A.

2014 – 2017 **B.A. in Interdisciplinary Math & Econ,** Fordham University.
New York City, U.S.A.

2012 – 2014 **Coursework in Software Engineering,** Fudan University.
Transferred, Shanghai, China

Employment History

2022 – 2024 **Research Assistant,** Huawei IT Innovation and Research Center.

2020 – 2022 **Assistant Engineer,** Huawei Shanghai Regional Office.

Academic Service

2024 – · · · · **Reviewer**, ACL, EMNLP.

Committee Member, **Linguistic Circle**, a flagship seminar series organized by the Linguistics and English Language department of the University of Edinburgh.

2024 **Program Committee**, The 11th Workshop on Argument Mining @ ACL 2024.

Research Publications

Conference Proceedings

1. **X. Zhao**, K. Wang, and W. Peng, "An electoral approach to diversify llm-based multi-agent collective decision-making," in *Accepted by Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*, (to appear), Miami, Florida, United States: Association for Computational Linguistics, Nov. 2024. URL: https://openreview.net/forum?id=L5cgN9UKnk.

2. W. Xiong, Y. Song, **X. Zhao**, *et al.*, "Watch every step! llm agent learning via iterative step-level process refinement," in *Accepted by Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*, (to appear), Miami, Florida, United States: Association for Computational Linguistics, Nov. 2024. URL: https://arxiv.org/abs/2406.11176.

3. Y. Song, W. Xiong, **X. Zhao**, *et al.*, "Agentbank: Towards generalized llm agents via fine-tuning on 50000+ interaction trajectories," in *Accepted by Findings of the Association for Computational Linguistics: EMNLP 2024*, (to appear), Miami, Florida, United States: Association for Computational Linguistics, Nov. 2024. URL: https://openreview.net/forum?id=P8URqRlQD0.

4. **X. Zhao**, K. Wang, and W. Peng, "Measuring the inconsistency of large language models in preferential ranking," in *Proceedings of the 1st Workshop on Towards Knowledgeable Language Models (KnowLLM 2024)*, S. Li, M. Li, M. J. Zhang, *et al.*, Eds., (oral session), Bangkok, Thailand: Association for Computational Linguistics, Aug. 2024, pp. 171–176. URL: https://aclanthology.org/2024.knowllm-1.14.

5. K. Wang, **X. Zhao**, and W. Peng, "Learning from failure: Improving meeting summarization without good samples," in *Proceedings of the 38th AAAI Conference on Artificial Intelligence*, vol. 38, Mar. 2024, pp. 19 153–19 161. DOI: 10.1609/aaai.v38i17.29883.

6. **X. Zhao**, K. Wang, and W. Peng, "ORCHID: A Chinese debate corpus for target-independent stance detection and argumentative dialogue summarization," in *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing*, H. Bouamor, J. Pino, and K. Bali, Eds., Singapore: Association for Computational Linguistics, Dec. 2023, pp. 9358–9375. URL: https://aclanthology.org/2023.emnlp-main.582.

7. K. Wang, **X. Zhao**, Y. Li, and W. Peng, "M^{3}Seg: A maximum-minimum mutual information paradigm for unsupervised topic segmentation in ASR transcripts," in *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing*, H. Bouamor, J. Pino, and K. Bali, Eds., Singapore: Association for Computational Linguistics, Dec. 2023, pp. 7928–7934. URL: https://aclanthology.org/2023.emnlp-main.492.

8. K. Wang, **X. Zhao**, Y. Li, and W. Peng, "PROSE: A pronoun omission solution for Chinese-English spoken language translation," in *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing*, H. Bouamor, J. Pino, and K. Bali, Eds., Singapore: Association for Computational Linguistics, Dec. 2023, pp. 2297–2311. URL: https://aclanthology.org/2023.emnlp-main.141.

Preprints

1. H. Liu, W. Xue, Y. Chen, *et al.*, *A survey on hallucination in large vision-language models*, Feb. 2024. arXiv: 2402.00253 [cs.CV].

Skills

Languages — Strong reading, writing and speaking competencies for English and Mandarin Chinese, elementary in Japanese.

Coding — Python, LaTeX, SQL, R,…

Web Dev. — Html, css, gradio.

Misc. — Photo-taking, Adobe softwares, swimming, stargazing, antiquity history,…

Miscellaneous Experience

Certification

2023 — **Natural Language Processing Specialization**. Awarded by DeepLearning.AI.

2022 — **Google Data Analytics Professional Certificate**. Awarded by Google.

2018 — **4th Annual Summer Institute in Statistics for Big Data**. Awarded by the University of Washington.

Psc Chi Member. Awarded by the International Honor Society in Psychology.

Activities

2016 – 2017 — **Fordham University Rose Hill Society**, International Ambassador.

2015 — **Harvard University Study Aboard Program**, Kyoto, Japan.

2012 – 2014 — **Fudan University Film Association**, Vice-President.

Internships

2019 — **Assistant Engineer,** JD.com IT platform and Research Department.

2017 — **Ambassador Assistant,** Permanent Mission of Macedonia to the United Nations.

2016 — **Investment Analyst,** Lenovo Strategic Investment Department.