Xiutian Zhao

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Education

2024 – 2025   **MSc. in Speech and Language Processing (Expected),** University of Edinburgh.
Edinburgh, United Kingdom

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

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

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 Rolling Review*, *EMNLP*.

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

Tutor, *Informatics Tutoring Scheme* , a project that supports Scottish high school students on Computer Science and Maths, with a priority for schools in disadvantaged areas of Scotland.

2024   **Student Volunteer**, *EMNLP 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://arxiv.org/abs/2410.07706.

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) @ ACL 2024*, S. Li, M. Li, M. J. Zhang, *et al.*, Eds., **(Oral Presentation)**, 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, 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.
	Psi 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.