

Xiutian Zhao





✉ X.Zhao-103@sms.ed.ac.uk

🏠 Homepage




🔍 Google Scholar

☎ +44 7778 404 202






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 and Research Experience

- 2023 – 2024  **Research Assistant**, Peking University - Huawei Collaboration Laboratory.
- 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](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](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](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](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](https://doi.org/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](https://aclanthology.org/2023.emnlp-main.582).
- 7 K. Wang, **X. Zhao**, Y. Li, and W. Peng, "M³Seg: 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](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](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 and Cantonese.
Coding	 Python, \LaTeX , SQL, R, ...
Web Dev.	 HTML, CSS, gradio.
Misc.	 <u>Photo-taking</u> , Adobe softwares, swimming, stargazing, antiquity history,...

Miscellaneous Experience

Awards and Achievements

- 2023  **Enterprise AI Forum Organizing Committee Recognition**, Huawei Technologies.
- 2020  **New Employee Excellence Recognition**, Huawei Technologies.

Certification

- 2023  **Natural Language Processing Specialization**. Awarded by DeepLearning.AI.
- 2022  **Google Data Analytics Professional Certificate**. Awarded by Google.
- 2018  **The 4th Annual Summer Institute in Statistics for Big Data**. Organized by the University of Washington.

Miscellaneous Experience (continued)

- 📖 **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.
- 2016 📖 **Investment Analyst**, Lenovo Strategic Investment Department.