Zeqiang Wang

Portfolio: ZeqiangWang-Surrey

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EDUCATION

- **University of Surrey** Guildford, United Kingdom
  Ph.D Candidate - Faculty of Engineering and Physical Sciences; *2023 - present*
  Topic: *Natural Language Processing for Longitudinal Social and Biomedical Science Datasets*
  Funding: *Fully funded by the University of Surrey*

- **New York University** Shanghai, China
  Visiting student - Center for Applied Social and Economic Research; *2025.09 - present*
  Topic: *Natural Language Processing for Education Corpus*

- **University of Liverpool** Suzhou, China
  Master of Research - Computer Science and Technology (Distinction); *2022 - 2023*

- **Hunan Agricultural University** Changsha, China
  Bachelor - Computer Science and Technology; *2017 - 2021*

EXPERIENCE

- **Zhejiang University** Hangzhou, China
  Research Assistant *June 2021 - Sep 2022*
  - **Research Topic**: Medical Named Entity Recognition and Medical Score Automatic Construction System.

- **Peking University First Hospital** Ningbo, China
  Intern *Oct 2022 - Apr 2023*
  - **Research Topic**: Validation of Risk Prediction Equations for Incident Chronic Kidney Disease.

REPRESENTATIVE PUBLICATIONS

- **How AI Hiring Systems Reproduce Gender Stratification in the Labor Market.**: *Chenxi Li, **Zeqiang Wang**(Co-first Author), et al. Manuscript in Preparation for Special Issue on AI and Inequality, Social Science Research (Abstract accepted), 2026.*

- **Trustworthy Classification for Complex Social Surveys: A Memory-Enhanced Hierarchical Framework with Calibrated Uncertainty.**: ***Zeqiang Wang**, et al. Proceedings of the 40th AAAI Conference on Artificial Intelligence (AAAI 2026), Special Track on AI for Social Impact, 2026. (Acceptance Rate: 24.1%)*

- **PMPO: A Self-Optimizing Framework for Creating High-Fidelity Measurement Tools for Social Bias in Large Language Models.**: ***Zeqiang Wang**, et al. Proceedings of the 2026 Conference on Empirical Methods in Natural Language Processing: AACL 2026, 2026.*

- **DLIR: Spherical Adaptation for Cross-Lingual Knowledge Transfer of Sociological Concepts Alignment.**: ***Zeqiang Wang**, et al. Findings of the Association for Computational Linguistics: EMNLP 2025.*

- **Beyond Surface Similarity: A Riemannian Hierarchical Ranking Framework for Sociological Concept Equivalence.**: ***Zeqiang Wang**, et al. Proceedings of the 34th ACM International Conference on Information and Knowledge Management (CIKM 2025), 2025, pp. 443–1627. (Acceptance Rate: 27.2%)*

- **Are Information Retrieval Approaches Good at Harmonising Longitudinal Survey Questions in Social Science?**: *Wing Yan Li, **Zeqiang Wang**, et al. Proceedings of the 48th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2025), 2025.*

- **Revealing COVID-19's Social Dynamics: Diachronic Semantic Analysis of Vaccine and Symptom Discourse on Twitter.**: ***Zeqiang Wang**, et al. Findings of the Association for Computational Linguistics: EMNLP 2024, 2024.*

- **ICDXML: Enhancing ICD Coding with Probabilistic Label Trees and Dynamic Semantic Representations.**: ***Zeqiang Wang**, et al. Scientific Reports, 14, 18520, 2024.*

- **YATO: Yet Another deep learning based Text analysis Open toolkit.**: ***Zeqiang Wang**, et al. Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP 2023): System Demonstrations, 2023.*

- **METS-CoV: A Dataset of Medical Entity and Targeted Sentiment on COVID-19 Related Tweets.**: *Peilin Zhou, **Zeqiang Wang**, et al. Advances in Neural Information Processing Systems (NeurIPS 2022), Track on Datasets and Benchmarks, 2022.*

REPRESENTATIVE HONORS

- Outstanding Graduates of Hunan Province - 2021

- China's Artificial Intelligence Industry Alliance Cup: National Winner Award- 2019, 2020

CERTIFICATIONS

- **Oracle Java** Changsha, China
  Oracle Certified Professional (OCP) Java SE 8 Programmer.

- **Huawei HCIA-Kunpeng** Changsha, China
  Huawei HCIA-Kunpeng Application Developer.