
Rui Xing

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EDUCATION BACKGROUND

Ph.D. in Computer Science Feb. 2022 – Present

School of Computing and Information Systems , University of Melbourne

Advised by Prof. Jey Han Lau and Prof. Timothy Baldwin

M.Eng. in Software Engineering Sept. 2017 – Jan. 2020

School of Computer Science and Engineering , Beihang University

B.Eng. in Computer Science and Technology Sept. 2013 – Jul. 2017

School of Computer and Information, HeFei University of Technology

SELECTED PUBLICATIONS

- **Rui Xing**, Preslav Nakov, Timothy Baldwin and Jey Han Lau. COMMUNITYNOTES: A Dataset for Exploring the Helpfulness of Fact-Checking Explanations. EACL 2026.
- **Rui Xing**, Timothy Baldwin and Jey Han Lau. Evaluating Evidence Attribution in Generated Fact Checking Explanations. NAACL 2025.
- **Rui Xing**, Boyang Sun, Kun Zhang, Preslav Nakov, Timothy Baldwin, and Jey Han Lau. An Analytical Emotion Framework of Rumour Threads on Social Media. MisD@ICWSM 2025.
- **Rui Xing**, Shraey Bhatia, Timothy Baldwin and Jey Han Lau. Automatic Explanation Generation For Climate Science Claims. ALTA 2022.
- **Rui Xing**, Jie Luo and Tengwei Song. BioRel: towards large-scale biomedical relation extraction. BMC bioinformatics 21.16 (2020): 1-13.
- Artem Vazhentsev, Ekaterina Fadeeva, **Rui Xing**, Kuzmin Gleb, Lazichny Ivan, Alexander Panchenko, Preslav Nakov, Timothy Baldwin, Maxim Panov, Artem Shelmanov. Unconditional Truthfulness: Learning Unconditional Uncertainty of Large Language Models. EMNLP 2025.
- Zhuohan Xie, **Rui Xing**, Yuxia Wang, Jiahui Geng, Hasan Iqbal, Dhruv Sahnan, Iryna Gurevych, and Preslav Nakov. FIRE: Fact-checking with Iterative Retrieval and Verification. NAACL 2025.
- Roman Vashurin, Ekaterina Fadeeva, Artem Vazhentsev, Lyudmila Rvanova, Daniil Vasilev, Akim Tsvigun, Sergey Petrakov, **Rui Xing**, Abdelrahman Sadallah, Kirill Grishchenkov, Alexander Panchenko, Timothy Baldwin, Preslav Nakov, Maxim Panov, Artem Shelmanov. Benchmarking Uncertainty Quantification Methods for Large Language Models with LM-Polygraph. TACL 2025.
- Haonan Li, Xudong Han, Hao Wang, Yuxia Wang, Minghan Wang, **Rui Xing**, Yilin Geng, Zenan Zhai, Preslav Nakov, and Timothy Baldwin. Loki: An Open-Source Tool for Fact Verification. COLING 2025.

WORKING EXPERIENCE

Visiting Researcher Apr. 2024 – Aug. 2025

Mohamed bin Zayed University of Artificial Intelligence, UAE

- Contribute to 3 projects: 1) Worked on Multilingual Machine Generated Text Detection and Human Preference to explore the difficulty and preference of machine-generated text to humans. 2) Worked on FIRE that introduce a flexible iterative evidence retrieval process based on agent framework and verbalized uncertainty, reducing LLM costs by 7.6 times and search costs by 16.5 times while achieving slightly better performance. 3) Worked on LM-Polygraph that aims to offer a collection of state-of-the-art UQ baselines over various text generation tasks.

Research Assistant Apr. 2019 – Nov. 2021

Beihang University, China

- Worked on 2 projects: 1) Created BioRel for distant supervised relation extraction in biomedical domain by aligning UMLS relations to Metamapped Medline Corpus. 2) Developed methods to alleviate mislabeling issue in distant supervised relation extraction. Proposed separate head-tail convolution and pooling and coarse-to-fine strategy to alleviate impact of Not-A relation instances, increasing the overall precision by 8%.

TEACHING

Tutor, Undergraduate Research Internship Program (MBZUAI) Jun. 2024

Tutor, Natural Language Processing COMP90042 (University of Melbourne) Jun. 2022 – Jun. 2023

Tutor, Statistical Machine Learning COMP90051 (University of Melbourne) Jun. 2022 – Jun. 2023

SELECTED HONOURS & AWARDS

[Australasian Language Technology Association \(ALTA\)](#) Travel Scholarship 2022, 2025

Melbourne Conference Travel Scholarship 2025

Melbourne Plus credential for community engagement, University of Melbourne 2022

Excellent Graduate Student, Beihang University 2020

Frist Class Scholarship, Beihang University 2018–2020

National Scholarship, Ministry of Education in China 2015, 2016

PROFESSIONAL EXPERIENCE

[Australasian Language Technology Association \(ALTA\)](#) Student Representative Jan. 2023 – Jan. 2025

[Australasian Language Technology Association \(ALTA\) 2023 Workshop](#) Technology Chair Nov. 2023

Reading group organizer, NLP group, University of Melbourne Mar. 2022 – Feb. 2024

Reviewer for ACL, NAACL, EACL, EMNLP, COLING Oct. 2023 – Present