

# Miao Li

Postdoctoral Researcher

miao.li@ed.ac.uk

The University of Edinburgh, Edinburgh, Scotland

<https://oaimli.github.io/>

## WORKING EXPERIENCE

---

**Postdoctoral Researcher, The University of Edinburgh**

Mar. 2025 – Present

Institute for Language, Cognition and Computation

Supervised by Prof. [Mirella Lapata](#)

## EDUCATION BACKGROUND

---

**Visiting Ph.D. The University of Edinburgh**

Mar. 2024 – Mar. 2025

Institute for Language, Cognition and Computation

Advised by Prof. [Mirella Lapata](#)

**Ph.D. The University of Melbourne**

Dec. 2020 – Mar. 2025

School of Computing and Information Systems

Advised by Prof. [Eduard Hovy](#) and Dr. [Jey Han Lau](#)

**M.S. Chinese Academy of Sciences**

Aug. 2017 – July 2020

Institute of Software, Chinese Academy of Sciences GPA 88.31/100 (6<sup>th</sup>/102)

**B.S. Northeastern University**

Aug. 2013 – July 2017

School of Computer Science and Technology GPA 88.75/100 (9<sup>th</sup>/272)

## RESEARCH INTERESTS

---

- Multi-document Processing: Enabling computers to reason over and synthesize dispersed information from multiple documents, e.g., synthesizing insights from multiple research articles
- Natural Language Reasoning: Developing advanced language models with reasoning capabilities to output verifiable generations contextually aligned well with given sources with supporting evidence
- Evaluation of Generative AI: Designing effective and efficient evaluation methodologies to assess real-world capabilities of AI, particularly generative models

## TECHNICAL SKILLS

---

- Proficient with problem formulation, large-scale data curation, modelling and evaluation methodologies for natural language generation (NLG)
- Experienced in post-training and experimenting with large language models (LLMs) particularly for tasks involving long and complex contexts
- Familiar with programming in Python and PyTorch, and utilizing frameworks for LLMs (e.g., Transformers and Accelerate)
- Solid understanding of natural language processing (NLP), deep learning (DL) and fundamental statistical machine learning (ML)

## RESEARCH PUBLICATIONS

---

- [Who Gets Cited Most? Benchmarking Long-Context Language Models on Scientific Articles](#)

arXiv'25

Miao Li, Alexander Gurung, Irina Saparina, and Mirella Lapata.

*Preprint (September 2025).*

- [Decomposed Opinion Summarization with Verified Aspect-Aware Modules](#) ACL'25

Miao Li, Jey Han Lau, Eduard Hovy, Mirella Lapata  
*Findings of the Association for Computational Linguistics: ACL 2025.*
- [NewsBench: A Systematic Evaluation Framework for Assessing Editorial Capabilities of Large Language Models in Chinese Journalism](#) ACL'24

Miao Li, Ming-Bin Chen, Bo Tang, Shengbin Hou, Pengyu Wang, Haiying Deng, Zhiyu Li, Feiyu Xiong, Keming Mao, Peng Cheng, and Yi Luo  
*Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics*
- [A Sentiment Consolidation Framework for Meta-Review Generation](#) ACL'24

Miao Li, Jey Han Lau, Eduard Hovy  
*Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics*
- [Summarizing Multiple Documents with Conversational Structure for Meta-review Generation](#) EMNLP'23

Miao Li, Eduard Hovy, Jey Han Lau  
*Findings of the Association for Computational Linguistics: EMNLP 2023*
- [DeltaScore: Fine-grained Story Evaluation with Perturbations](#) EMNLP'23

Zhuohan Xie, Miao Li, Trevor Cohn, Jey Han Lau  
*Findings of the Association for Computational Linguistics: EMNLP 2023*
- [Compressed Heterogeneous Graph for Abstractive Multi-document Summarization](#) AAAI'23

Miao Li, Jianzhong Qi, Jey Han Lau  
*Proceedings of the 37th AAAI Conference on Artificial Intelligence*
- [Personalized Abstractive Opinion Tagging](#) SIGIR'22

Mengxue Zhao, Yang Yang, Miao Li, Jingang Wang, Wei Wu, Pengjie Ren, Maarten de Rijke and Zhaochun Ren  
*Proceedings of the 45th International ACM SIGIR Conference on Research and Development in Information Retrieval*
- [A Benchmark and Comprehensive Survey on Knowledge Graph Entity Alignment via Representation Learning](#) VLDBJ'22

Rui Zhang, Bayu Distiawan Trisedy, Miao Li, Yong Jiang, Jianzhong Qi  
*The International Journal on Very Large Data Bases*
- [A Topic Augmented Text Generation Model: Joint Learning of Semantics and Structural Features](#) EMNLP'19

Hongyin Tang, Miao Li, Beihong Jin  
*Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing*
- [A New Effective Neural Variational Model with Mixture-of-Gaussians Prior for Text Clustering](#) ICTAI'19

Miao Li, Hongyin Tang, Beihong Jin, Chengqing Zong  
*2019 IEEE 31st International Conference on Tools with Artificial Intelligence*
- [Clustering Large-Scale Origin-Destination Pairs: A Case Study for Public Transit in Beijing](#) UIC'18

Miao Li, Beihong Jin, Hongyin Tang, Fusang Zhang  
*The 15th IEEE International Conference on Ubiquitous Intelligence and Computing*

## HONORS & AWARDS

- Google Conference Scholarship, Google Inc. Jan. 2023
- AAAI-23 Student Scholarship, AAAI Jan. 2023
- National Scholarship for Graduates (top 2%), Education Ministry of China Nov. 2018
- First Prize Scholarship of University of Chinese Academy of Sciences (top 8%), twice Oct. 2017 & 2018
- Excellent Student Cadre of University of Chinese Academy of Sciences, twice Jun. 2018 & 2019
- Merit Student of University of Chinese Academy of Sciences, twice Jun. 2018 & 2019
- Outstanding Graduate of Northeastern University Jun. 2017
- Outstanding Graduate Thesis Award of Northeastern University (1/272) Jul. 2017
- National Scholarship for Undergraduates (top 2%), Education Ministry of China Oct. 2016
- The first prize scholarship of Northeastern University (top 4%), twice Oct. 2015 & 2016
- Excellent Student Cadre of Northeastern University, twice Sep. 2015 & 2016
- Honorable Mention in MCM/ICM 2015 Mar. 2015

## PROFESSIONAL SERVICES

---

- Reviewer for ACL Rolling Review (2021 – Present)
- Member of reviewer committees:  
NLPCC 2022-2023, EACL 2023, ACL 2023-2025, EMNLP 2023-2024, NAACL 2025, ICLR 2026
- Mentors for programs:  
SRW EACL 2026
- Sub-reviewer for WSDM 2022, SIGIR 2022, SIGKDD 2022, and CIKM 2022