

Miao Li

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

EDUCATION BACKGROUND

Visiting Ph.D. The University of Edinburgh Institute for Language, Cognition and Computation Supervised by Prof. Mirella Lapata	Mar. 2024 – Mar. 2025
Ph.D. The University of Melbourne School of Computing and Information Systems Supervised by Prof. Eduard Hovy and Dr. Jey Han Lau	Dec. 2020 – Mar. 2025
M.S. Chinese Academy of Sciences Institute of Software, Chinese Academy of Sciences GPA 88.31/100 (6 th /102)	Aug. 2017 – July 2020
B.S. Northeastern University School of Computer Science and Technology GPA 88.75/100 (9 th /272)	Aug. 2013 – July 2017

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

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| • 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