

Miao Li

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School of Computing and Information Systems,
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EDUCATION BACKGROUND

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| Visiting Ph.D. The University of Edinburgh | Mar. 2024 – Present |
| Institute for Language, Cognition and Computation | |
| Supervised by Prof. Mirella Lapata | |
| Ph.D. The University of Melbourne | Dec. 2020 – Mar. 2025 (Expected) |
| School of Computing and Information Systems | |
| Supervised 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 th /102) | |
| B.S. Northeastern University | Aug. 2013 – July 2017 |
| School of Computer Science and Technology GPA 88.75/100 (9 th /272) | |

RESEARCH INTERESTS

- Multi-Document Reasoning: making computers correlate and integrate information from multiple documents
- Language Modelling: effectively modelling natural language sequences focused on opinionated semantics
- Grounded Text Generation: ensuring machine-generated texts contextually aligned well with given sources

TECHNICAL SKILLS

- Proficient with problem formulation, modelling and evaluation methodology for natural language generation
- Familiar with programming in Python and PyTorch, and frameworks for pre-trained language models (e.g., Transformers and Accelerate)
- Experienced in post-training and experimenting with large language models particularly for tasks with long and complex contexts
- Understanding well natural language processing, deep learning and fundamental statistical machine learning

RESEARCH PUBLICATIONS

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| • NewsBench: A Systematic Evaluation Framework for Assessing Editorial Capabilities of Large Language Models in Chinese Journalism | ACL'24 |
| <i>Miao Li</i> , Ming-Bin Chen, Bo Tang, Shengbin Hou, Pengyu Wang, Haiying Deng, Zhiyu Li, Feiyu Xiong, Keming Mao, Peng Cheng, and Yi Luo
<i>Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics</i> | |
| • A Sentiment Consolidation Framework for Meta-Review Generation | ACL'24 |
| <i>Miao Li</i> , Jey Han Lau, Eduard Hovy
<i>Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics</i> | |
| • Summarizing Multiple Documents with Conversational Structure for Meta-review Generation | EMNLP'23 |
| <i>Miao Li</i> , Eduard Hovy, Jey Han Lau | |

- [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

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- Reviewer for ACL Rolling Review (2021 – Present)

- Member of reviewer committees:
NLPPC 2022-2023, EACL 2023, ACL 2023-2024, EMNLP 2023-2024, NAACL 2025
- Sub-reviewer for WSDM 2022, SIGIR 2022, SIGKDD 2022, and CIKM 2022