

Miao Li

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EDUCATION BACKGROUND

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| Visiting Ph.D. The University of Edinburgh Institute for Language, Cognition and Computation Supervised by Prof. Mirella Lapata | Mar. 2024 – Present |
| 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 (Expected) |
| 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
- Reasoning-driven Language Generation: Developing advanced language models with reasoning capabilities to generate texts contextually aligned well with given sources without hallucinations
- Evaluation of Generative AI: Designing effective and efficient evaluation methodologies to accelerate advancements of generative AI

TECHNICAL SKILLS

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

RESEARCH PUBLICATIONS

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| • Aspect-Aware Decomposition for Opinion Summarization <i>Miao Li</i> , Jey Han Lau, Eduard Hovy, Mirella Lapata | Preprint |
| • NewsBench: A Systematic Evaluation Framework for Assessing Editorial Capabilities of Large Language Models in Chinese Journalism <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 | ACL'24 |

- [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 2023-2024, EMNLP 2023-2024, NAACL 2025
- Sub-reviewer for WSDM 2022, SIGIR 2022, SIGKDD 2022, and CIKM 2022