Zheheng **Luo**

PHD STUDENT · NACTEM, UNIVERSITY OF MANCHESTER

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Education

University of Manchester   *Manchester, UK*

PHD IN NATURAL LANGUAGE PROCESSING   *Sept, 2021 - present*

- Advisor: Prof. Sophia Ananiadou
- Research Interests: Long Document Summarization, Topic Modelling

Academy of Military Medical Science   *Beijing, China*

MS IN TEXT MINING   *Sept 2016 - June 2019*

- Advisor: Prof. Dongsheng Zhao
- Projects: Relation Extraction, Knowledge Graph

Xi'an JiaoTong University   *Xi'an, China*

BACHELOR OF ENGINEERING   *Sept 2012 - June 2016*

Experience

Teaching Assistant   *Manchester, UK*

UNIVERSITY OF MANCHESTER   *2021-2023*

Introduction to AI, Machine Learning, Natural Language Understanding

Research Assistant   *Shanghai, China*

FUDAN UNIVERSITY   *2020-2021*

Biomedical Named Entity Recognition, Disease Knowledge Graph Construction, Computing Center Administration

Publications

PUBLISHED

Zheheng Luo, Qianqian Xie and Sophia Ananiadou. "CitationSum: Citation-aware Graph Contrastive Learning for Scientific Paper Summarization" In **WWW** 2023

Zheheng Luo, Qianqian Xie and Sophia Ananiadou. "Readability Controllable Biomedical Document Summarization " In Findings of **EMNLP** 2022

Zhao, Dongsheng, Fan Tong, **Zheheng Luo**, Sheng Liu, and Wei Song. "BROGUE: A Platform for Constructing and Visualizing" Gene-Mutation-Disease" Relation Knowledge Graphs to Support Biomedical Research and Clinical Decisions." In BIOINFORMATICS, pp. 52-59. 2020.

Zhao, Dongsheng, Fan Tong, and **Zheheng Luo**. "Construct Semantic Type of" Gene-mutation-disease" Relation by Computer-aided Curation from Biomedical Literature." IN BIOINFORMATICS, pp. 123-130. 2019.

Tong Fan*, **Zheheng Luo*** and Dongsheng Zhao, "Using deep neural network to recognize mutation entities in biomedical literature," 2018 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)

Tong Fan*, **Zheheng Luo*** and Dongsheng Zhao. "A deep network based integrated model for disease named entity recognition." 2017 IEEE International Conference on Bioinformatics and Biomedicine (BIBM). IEEE, 2017.

* stands for equal contribution

IN REVIEW

Qianqian Xie, **Zheheng Luo**, Benyou Wang and Sophia Ananiadou "A Survey on Biomedical Text Summarization with Pre-trained Language Models" [TKDE under review]

Service

2022   **EMNLP 2022**, Reviewer, Volunteer
2023   **BioNLP**, Shared Task Organizer
2023   **PAKDD 2023**, Reviewer

Awards, Fellowships, & Grants

2019   **Outstanding Student Award**, Graduate Student School