

Zheheng Luo

PHD STUDENT · NACTEM, UNIVERSITY OF MANCHESTER

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Education

University of Manchester

PHD IN NATURAL LANGUAGE PROCESSING

- Advisor: Prof. Sophia Ananiadou
- Research Interests: Long Document Summarisation, Controllable Summarisation

Manchester, UK

Sept, 2021 - present

Academy of Military Medical Science

MS IN TEXT MINING

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

Beijing, China

Sept 2016 - June 2019

Xi'an JiaoTong University

BACHELOR OF ENGINEERING

Xi'an, China

Sept 2012 - June 2016

Experience

Teaching Assistant

UNIVERSITY OF MANCHESTER

Introduction to AI, Machine Learning, Natural Language Understanding

Research Assistant

FUDAN UNIVERSITY

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

Manchester, UK

2021-2023

Shanghai, China

2020-2021

Publications

PUBLISHED

Zheheng Luo, Qianqian Xie and Sophia Ananiadou. "ChatGPT as a Factual Inconsistency Evaluator for Text Summarization" Preprint.

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 **Shared Task: BioLaySum, BioNLP Workshop, ACL 2023**, Co-Organizer
- 2023 **PAKDD 2023, ECMLPKDD 2023**, Reviewer

Skills

Coding: *Python, Pytorch, Pandas, Scikit-learn, Numpy*
Language: *Chinese: Native, English: Professional fluent*

Awards, Fellowships, & Grants

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