

Zheheng Luo

PHD STUDENT · COMPUTER SCIENCE

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Education

University of Manchester

PHD IN NATURAL LANGUAGE PROCESSING

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

Manchester, UK

Sept, 2021 - present

Academy of Military Medical Science

MS IN BIOMEDICAL TEXT MINING

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

Manchester, UK

2020-2021

Research Assistant

FUDAN UNIVERSITY

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

Shanghai, China

2020-2021

Publications

PUBLISHED

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

Zheheng Luo, Qianqian Xie and Sophia Ananiadou. "CitationSum: Citation-aware Graph Contrastive Learning for Scientific Paper Summarization" [WWW under review]

Qianqian Xie, **Zheheng Luo**, Benyou Wang, 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