

# Guoqing Luo

(+1)587-591-2681 | [gluo@ualberta.ca](mailto:gluo@ualberta.ca) | [frankgqluo.xyz/](http://frankgqluo.xyz/) | [linkedin.com/in/guoqing-luo](https://linkedin.com/in/guoqing-luo)

## TECHNICAL SKILLS

**Languages:** Python, C/C++, C#, SQL, HTML/CSS, MATLAB, Lingo  
**Libraries:** Transformers, Pytorch, Tensorflow, pandas, NumPy, Matplotlib

## EDUCATION

### University of Alberta

*M.S. in Computing Science*

Edmonton, AB

*Sept. 2021 – Aug. 2023 (Expected)*

### Wuhan University

*B.E. in Computer Science and Technology*

Wuhan, China

GPA: 3.74/4.0

*Sept. 2017 – June 2021*

## WORK EXPERIENCE

### Research Intern, ByteDance AI Lab

Feb. 2021 – Jun. 2021

*ByteDance Inc.*

*Beijing, China*

- Used Pytorch to replicate baseline model MOSNet (TensorFlow) and achieved comparable results on two datasets.
- Designed a new end-to-end neural network pipeline in **Python** for automatic speech quality evaluation.

### Software Engineer Intern, Sunline Data

July 2019 – Aug. 2019

*Shenzhen Sunline Tech Co., Ltd.*

*Shenzhen, China*

- Crawled data of a thousand-person community in **Python**, used Networkx and neo4j for data visualization.
- Implemented the Louvain algorithm to find the most important people in the community.

## SELECTED RESEARCH EXPERIENCE

### Research Assistant, MANGA-UofANLP Lab

Feb. 2022 – Present

*University of Alberta | Advisor: Dr. [Lili Mou](#)*

*Edmonton, AB*

- Designed a novel editing approach to transform a prompt-based generation into a classification problem based on Transformer model GPT-J-6B, and achieved **state-of-the-art** performance on three text style transfer datasets.
- Submitted one paper to EACL 2023 as the first author.

### Research Intern, StatNLP Lab

May 2020 – May 2021

*Singapore University of Technology and Design | Advisor: Dr. [Wei Lu](#)*

*Singapore*

- Designed a graph-based model for inducing speaker-oriented latent structures **SOLS** to alleviate the entangled logic and information sparsity issue in Dialogue-Based Relation Extraction (DiaRE) tasks.
- Conducted quantitative and qualitative experiments on several public datasets, achieving the **state-of-the-art** performance and demonstrating the importance of capturing the speaker-related information in DiaRE tasks.

## PAPER LIST

- An Empirical Study on the Overlapping Problem of Open-Domain Dialogue Dataset** [1]  
Yuqiao Wen, **Guoqing Luo**, and Lili Mou | *In Proceedings of **LREC 2022*** (oral)
- Prompt-Based Editing for Unsupervised Text Style Transfer**  
**Guoqing Luo**, Yutong Han, Lili Mou, and Mauajama Firdaus | submitted to EACL 2023
- RDSGAN: Rank-based distant supervision relation extraction with generative adversarial framework**  
**Guoqing Luo**, Jiaxin Pan and Min Peng | [arxiv](#)

## TEACHING

CMPUT 174: Introduction to the Foundations of Computation I

Fall 2021

CMPUT 466: Machine Learning

Winter 2022

## AWARDS

Graduate Teaching Assistantships, University of Alberta

2021, 2022

Departmental Recruitment Scholarship, University of Alberta

2021

Academic Excellent Scholarship (Top 10%), Wuhan University

2018, 2019, 2020