Ziyang Luo

Curriculum Vitae

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⌂ *https://chiyeunglaw.github.io/*

Education

2021 – 2025	**Ph.D. in Computer Science**, Hong Kong Baptist University, Hong Kong, China.
2019 – 2021	**M.A. in Language Technology**, Uppsala University, Uppsala, Sweden.
2015 – 2019	**B.Sc. in Information and Computing Science**, Sun Yat-sen University, Guangzhou, China.

Research Interests

- **Understanding Pre-trained Language Models**
- **Efficient Pre-trained Language Models**

Publications

Main Conference Proceedings:

- **Ziyang Luo**, Artur Kulmizev and Xiaoxi Mao. *Positional Artefacts Propagate Through Masked Language Model Embeddings* (Proceedings of the 2021 ACL Main Conference) [**ACL**]

Workshop Papers:

- **Ziyang Luo**. *Have Attention Heads in BERT Learned Constituency Grammar?* (Proceedings of the 2021 EACL Student Research Workshop).
- Meichun Jiao, **Ziyang Luo**. *Gender Bias Hidden Behind Chinese Word Embeddings: The Case of Chinese Adjectives* (Proceedings of the 3rd Workshop on Gender Bias in Natural Language Processing, 2021).

Master Thesis:

- **Ziyang Luo**. *Analyzing the Anisotropy Phenomenon in Transformer-based Masked Language Models* (Supervisor: Artur Kulmizev).

Working Experiences

Internship

2021.01-07	**NLP Research Intern**, Fuxi AI Lab, NetEase, Inc., Hangzhou, China.

- Mentor: Yadong Xi and Xiaoxi Mao.
- Focus on pre-trained language models analysis and interpreting.

2020.05-08	**NLP Engineer Intern**, VIVO Communication Technology Co. Ltd., Dongguan, China.

- Focus on text style transfer.

Skills

- **Programming Languages**
  Python > C > C++
- **Machine/Deep Learning Toolkits**
  PyTorch, Fairseq, Huggingface, Scikit-learn, OpenNMT
- **Others**
  numpy; scipy; pandas; NLTK; gensim; technical writing and documentation; git; LINUX/UNIX; data visualization (matplotlib, seaborn); LaTeX

Languages

- **English:** Fluent
- **Mandarin** Native
- **Cantonese** Native