

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

- Interpreting NLP and Multilingual NLP

Publications

Main Conference Proceedings - Interpreting NLP:

- **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); L^AT_EX

Languages

- **English:** Fluent

- **Mandarin** Native

- **Cantonese** Native