Yuxin Jiang

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Research Interests

Currently, I am a 2nd-year Ph.D. student at HKUST. My research interests lie in Natural Language Processing (NLP) as well as its applications. My recent work has focused on Data Augmentation, Contrastive Learning, Discourse Analysis, and Large Language Models.

Education

The Hong Kong University of Science and Technology Sep. 2021 – Present
Ph.D. in Data Science and Analytics

The Hong Kong University of Science and Technology Sep. 2020 – Jul. 2021
M.S. in Big Data Technology

Shanghai University Sep. 2016 – Jul. 2020
B.S. in Mathematics and Applied Mathematics

Publications

- **Yuxin Jiang**, Chunkit Chan, Mingyang Chen, Wei Wang. Lion: Adversarial Distillation of Closed-Source Large Language Model. *Arxiv Preprint*.
- Chunkit Chan, Jiayang Cheng, Weiqi Wang, **Yuxin Jiang**, Tianqing Fang, Xin Liu, Yangqiu Song. ChatGPT Evaluation on Sentence Level Relations: A Focus on Temporal, Causal, and Discourse Relations. *Arxiv Preprint*.
- **Yuxin Jiang**, Linhan Zhang, Wei Wang. Global and Local Hierarchy-aware Contrastive Framework for Implicit Discourse Relation Recognition. In *Findings of Annual Meeting of the Association for Computational Linguistics (Findings of ACL) 2023*.
- Linhan Zhang, Qian Chen, Wen Wang, Chong Deng, Xin Cao, Kongzhang Hao, **Yuxin Jiang**, Wei Wang. Weighted Sampling for Masked Language Modeling. In *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP) 2023*.
- **Yuxin Jiang**, Linhan Zhang, Wei Wang. Improved Universal Sentence Embeddings with Prompt-based Contrastive Learning and Energy-based Learning. In *Findings of Conference on Empirical Methods in Natural Language Processing (Findings of EMNLP) 2022*.
- Ziyi Shou, **Yuxin Jiang**, Fangzhen Lin. AMR-DA: Data Augmentation by Abstract Meaning Representation. In *Findings of Annual Meeting of the Association for Computational Linguistics (Findings of ACL) 2022*.
- **Yuxin Jiang**, Ziyi Shou, Qijun Wang, Hao Wu, Fangzhen Lin. WordNet-Enhanced Dual Multi-head Co-Attention for Reading Comprehension of Abstract Meaning. In *Proceedings of SemEval 2021*.

Awards

- [2023] Top 3% Paper Recognition of all papers accepted at IEEE ICASSP (Top 1%)
- [2021] School of Engineering Excellent Student Scholarship at HKUST (Top 5%)
- [2021] Postgraduate Studentship at HKUST (Top 5%)
- [2020] Outstanding Graduates of Shanghai (Top 1%)
- [2016-2019] Merit student of Shanghai University (Top 5%)

Skills

- **English:** IELTS 7.0, GRE 324
- **Programming Language:** Python, Matlab, C, HTML
- **Programming Software:** PyTorch, Tensorflow, Keras, SQL, PySpark