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RESEARCH INTERESTS

Vision-Language Learning, Task-oriented Dialogue System, Natural Language Processing.

EDUCATION

Ph.D. Student, Harbin Institute of Technology, China 2020.09 - Present
Major: Computer Science. Advisor: Wanxiang Che

B.E., Northeastern University, China 2016.09 - 2020.06
Major: Software Engineer

PUBLICATIONS

ManagerTower: Aggregating the Insights of Uni-Modal Experts for Vision-Language Representation Learning.

Xiao Xu, Bei Li, Chenfei Wu, Shao-Yen Tseng, Anahita Bhiwandiwalla, Shachar Rosenman, Vasudev Lal, Wanxiang Che and Nan Duan.

Proceedings of the 61th Annual Meeting of the Association for Computational Linguistics (ACL). 2023.

BridgeTower: Building Bridges Between Encoders in Vision-Language Representation Learning.

Xiao Xu, Chenfei Wu, Shachar Rosenman, Vasudev Lal, Wanxiang Che, Nan Duan.

Proceedings of the AAAI Conference on Artificial Intelligence (AAAI). Oral. 2023.

Text is no more Enough! A Benchmark for Profile-based Spoken Language Understanding.

Xiao Xu^{*}, Libo Qin^{*}, Kaiji Chen, Guoxing Wu, Linlin Li and Wanxiang Che.

Proceedings of the AAAI Conference on Artificial Intelligence (AAAI). Oral. 2022.

Modularized Pre-training for End-to-end Task-oriented Dialogue.

Libo Qin, **Xiao Xu**, Lehan Wang, Yue Zhang, Wanxiang Che.

IEEE/ACM Transactions on Audio, Speech, and Language Processing (TASLP). 2023.

AGIF: An Adaptive Graph-Interactive Framework for Joint Multiple Intent Detection and Slot Filling.

Libo Qin, **Xiao Xu**, Wanxiang Che, and Ting Liu.

Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing: Findings (EMNLP-Findings). 2020.

Dynamic Fusion Network for Multi-Domain End-to-end Task-Oriented Dialog.

Libo Qin, **Xiao Xu**, Wanxiang Che, Yue Zhang, and Ting Liu.

Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL). 2020.

GL-GIN: Fast and Accurate Non-Autoregressive Model for Joint Multiple Intent Detection and Slot Filling.

Libo Qin, Fuxuan Wei, Tianbao Xie, **Xiao Xu**, Wanxiang Che, and Ting Liu.

Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics (ACL). Oral. 2021.

Don't be Contradicted with Anything! CI-ToD: Towards Benchmarking Consistency for Task-oriented Dialogue System.

Libo Qin, Tianbao Xie, Shijue Huang, Qiguang Chen, **Xiao Xu**, and Wanxiang Che.

Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP). 2021.

IPGAN: Generating Informative Item Pairs by Adversarial Sampling.
Guibing Guo, Huan Zhou, Bowei Chen, Zhirong Liu, **Xiao Xu**, Xu Chen, Zhenhua Dong,
and Xiuqiang He.
IEEE Transactions on Neural Networks and Learning Systems (TNNLS). 2020.

EXPERIENCES Research Intern in MSRA NLC Group, Beijing, China. 2022.01 - 2023.01
Topic: Vision-Language Learning.
Advisor: Chenfei Wu, Nan Duan.

SERVICES Conference Reviewer: ACL 2023, AAAI 2023, EMNLP 2022, NLPCC 2022, 2023.
Community: MLNLP-2022 Outstanding Organizer.

SKILLS Programming: Python, C/C++, Java, Shell, PyTorch, TensorFlow.

AWARDS National Encouragement Scholarship (for undergraduate student) (4/293) 2019
Mathematical Contest In Modeling, Meritorious Winner (7.09%) 2019
National Scholarship (for undergraduate student) (5/293) 2018
National Scholarship (for undergraduate student) (10/420) 2017
Top Ten Campus Singers of Northeastern University (Hunnan) 2016