Xiao Xu

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RESEARCH INTERESTS

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

EDUCATION

Ph.D. Candidate, 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

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). 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). 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). 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