

Zijing Ou

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EDUCATION **Sun Yat-sen University (SYSU), China** Sept. 2017 - Jun. 2021
B.E. in Software Engineering GPA: 3.9/4.0
School of Computer Science and Engineering Major GPA: 4.0/4.0
I will join [Yingzhen Li's](#) group as a Ph.D. candidate in Fall, 2022.

PREPRINTS **Zijing Ou**, Tingyang Xu, Qinliang Su, Yingzhen Li, Peilin Zhao and Yatao Bian: *Learning Set Functions Under the Optimal Subset Oracle via Equivariant Variational Inference*. Under review, 2022. [\[pdf\]](#) [\[page\]](#)

Zenan Xu, Wanjun Zhong, Qinliang Su, **Zijing Ou** and Fuwei Zhang: *Semantic Composition and Alignment with Cross-Modality-Aware Syntactic Hypergraph Convolutional Network for Video Question Answering*. Under review, 2022. [\[pdf\]](#)

Wangjie Jiang, Zhihao Ye, **Zijing Ou**, Ruihui Zhao, Jianguan Zheng, Yi Liu, Siheng Li, Bang Liu, Yujiu Yang and Yefeng Zheng: *MCSCSet: A Specialist-annotated Dataset for Medical-domain Chinese Spelling Correction*. Under review, 2022. [\[pdf\]](#)

Jiayang Chen, Qinliang Su and **Zijing Ou**: *Modeling and Integrating Neighborhood Information for Generative Semantic Hashing*. Under review, 2021. [\[pdf\]](#)

Yuan Xu, **Zijing Ou** and Qinliang Su: *Reducing Bidirectional Link Prediction Gaps with Dual Transformer Encoders for Knowledge Graph Completion*. Under review, 2021. [\[pdf\]](#)

PUBLICATIONS **ICDE 2022:** Jiayuan Ding*, Tong Xiang*, **Zijing Ou***, Wangyang Zuo, Ruihui Zhao, Chenhua Lin, Yefeng Zheng and Bang Liu: *Tell Me What to Read: Literature Review Made Simple with Automatic Reading Path Generation*. 38th IEEE International Conference on Data Engineering. [\[pdf\]](#) [\[page\]](#) (* equal contribution)

ACL 2021: **Zijing Ou**, Qinliang Su, Jianxing Yu, Bang Liu, Jingwen Wang, Ruihui Zhao, Changyou Chen and Yefeng Zheng: *Integrating Semantics and Neighborhood Information with Graph-Driven Generative Models for Document Retrieval*. Conference of the Association for Computational Linguistics, 2021. [\[pdf\]](#) [\[code\]](#)

EMNLP 2021: **Zijing Ou**, Qinliang Su, Jianxing Yu, Yefeng Zheng, Ruihui Zhao and Bang Li: *Refining BERT Embeddings for Document Hashing via Mutual Information Maximization*. Conference on Empirical Methods in Natural Language Processing, 2021. [\[pdf\]](#) [\[code\]](#)

IJCAI 2021: Zexuan Qiu, Qinliang Su, **Zijing Ou**, JianXin Yu and Changyou Chen: *Unsupervised Hashing with Contrastive Information Bottleneck*. Interna-

tional Joint Conference on Artificial Intelligence, 2021. [\[pdf\]](#) [\[code\]](#)

NAACL 2021: Zhengxu Hou, Bang Liu, Ruihui Zhao, **Zijing Ou**, Yafei Liu, Xi Chen and Yefeng Zheng: *Imperfect also Deserves Reward: Multi-Level and Sequential Reward Modeling for Better Dialog Management*. North American Chapter of the Association for Computational Linguistics, 2021. [\[pdf\]](#) [\[code\]](#)

WSDM 2021: Yuanzhen Xie, **Zijing Ou**, Liang Chen, Yang Liu, Kun Xu, Carl Yang and Zibin Zheng: *Learning and Updating Node Embedding on Dynamic Heterogeneous Information Network*. International Conference on Web Search and Data Mining, 2021. [\[pdf\]](#)

COLING 2020: Zenan Xu, **Zijing Ou**, Qinliang Su, Jianxing Yu, Xiaojun Quan and ZhenKun Lin: *Embedding Dynamic Attributed Networks by Modeling the Evolution Processes*. Conference on Computational Linguistics, 2020. [\[pdf\]](#)

IJCAI 2019: Jing Song, Hong Shen, **Zijing Ou**, Junyi Zhang, Teng Xiao, Shangsong Liang: *ISLF: Interest Shift and Latent Factors Combination Model for Session-based Recommendation*. International Joint Conference on Artificial Intelligence, 2019. [\[pdf\]](#)

EXPERIENCES	Tencent AI Lab	Jul. 2021 - Present
	Research Intern, Tencent AI Lab , Shenzhen, China	
	Working with: Yatao Bian	
	Tencent Jarvis Lab	May. 2020 - Jun. 2021
	Research Intern, Tencent Jarvis Lab , Shenzhen, China	
	Working with: Yefeng Zheng , Bang Liu	
	Sun Yat-sen University	Sept. 2018 - Jun. 2021
	Research Intern, School of Computer Science and Engineering	
	Work with: Qinliang Su	
AWARDS	• National Scholarship (4/175)	2018
	• First-class Scholarship for Excellent Students of SYSU (8/175)	2018
	• The First Academic Innovation Award of SYSU (2/175)	2019
	• Outstanding graduate thesis of SYSU (7/175)	2021
SERVICES	• Reviewer for ICML-2022, IJCAI-2022, ACL-2022, NAACL-2022.	
SKILLS	• Tensorflow/Pytorch	• Python/C/C++/JavaScript
	• Chinese (native)	• English (fluent)