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)