Zijing Ou

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EDUCATION

Sun Yat-sen University (SYSU), China Sept. 2017 - Present
B.S. in Software Engineering GPA: 3.9/4.0
School of Computer Science and Engineering

RESEARCH INTERESTS

My research interests lie in the general area of machine learning, particularly in Bayesian statistics, deep latent variable model, graph structure learning and their applications on natural language.

SELECTED PUBLICATIONS

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.

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.* International 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]

RESEARCH EXPERIENCES

Tencent Jarvis Lab May. 2020 - Present
Research Intern, Tencent Jarvis Lab, Shenzhen, China
Mentor: Yefeng Zheng
1. Semantic Hashing (Submitted to ACL'21)
2. RL-based Dialog Management System (Published in NAACL'21)
3. Structural Reading Path Generation (Submitted to KDD'21)

Artificial Intelligence Summer Camp July. 2019 - Aug. 2019
Deecamp 2019, Virtual Image Robot Group, Beijing, China
Organizer: Kai-Fu Lee, Tong Zhang
Host institution: Sinovation Ventures
1. Lip Reasoning of Virtual Image Robot
code: Virtual Image Robot video: VBOT

Sun Yat-sen University Sept. 2018 - Present

Research Intern, School of Computer Science and Engineering

Advisor: Qinliang Su

1. Contrastive Information Bottleneck (Submitted to IJCAI'21)

2. Dynamic Network Embeddinng (Published in COLING'20)

3. Dynamic Heterogeneous Network Embeddinng (Published in WSDM'21)

ACHIEVEMENTS

- **National Scholarship** top 2% 2018
- **First-class Scholarship for Excellent Students of SYSU** top 5% 2018
- **Second-class Scholarship for Excellent Students of SYSU** top 15% 2019
- **The First Academic Innovation Award of SYSU** 2/175 2019

SKILLS

- Tensorflow/Pytorch   • Python/C/C++/JavaScript
- Chinese (native)   • English (fluent)