

Yujia Zhou

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EDUCATION EXPERIENCE

- Renmin University of China** Sep 2019 - Jul 2024
Computer Science, PhD student
- Advisor: Prof. Zhicheng Dou and Prof. Ji-Rong Wen.
- Renmin University of China** Sep 2015 - Jul 2019
Computer Science, Bachelor of Engineering

Research Interests

My current research interests including Information Retrieval and Data Mining, particularly in personalized search, user modeling, and document ranking.

PROJECT EXPERIENCE

- BDAI Lab, Gaoling School of Artificial Intelligence** May 2018 - Present
Research Interests: Information Retrieval. Advisor: Prof. Zhicheng Dou
- Mining the sequential information of user query history and modeling the user interest with the recurrent neural network.
 - Identifying user potential re-finding behaviors in personalized search with memory networks.
 - Encoding user history as contextual information for query disambiguation with context-aware representation learning.
- WeChat search group, Tencent** Jun 2020 - Apr 2021
Research Interests: Social-aware Personalized Search. Advisor: Ruobing Xie
- Integrating search behavior and friend network to find similar users for group-based personalized search.

SELECTED PUBLICATIONS

- **Yujia Zhou**, Zhicheng Dou, and Ji-Rong Wen. Enhancing Potential Re-finding in Personalized Search with Hierarchical Memory Networks. In IEEE Transactions on Knowledge and Data Engineering. To appear. (IEEE TKDE Full Paper)
- **Yujia Zhou**, Zhicheng Dou, Bingzheng Wei, Ruobing Xie, and Ji-Rong Wen. PSSL: Self-supervised Learning for Personalized Search with Contrastive Sampling. In Proceedings of 30th ACM International Conference on Information and Knowledge Management. (CIKM 2021 Full Paper)
- **Yujia Zhou**, Zhicheng Dou, Bingzheng Wei, Ruobing Xie, and Ji-Rong Wen. Group based Personalized Search by Integrating Search Behaviour and Friend Network. In Proceedings of the 44th International ACM SIGIR Conference on Research and Development in Information Retrieval. (SIGIR 2021 Full Paper)
- **Yujia Zhou**, Zhicheng Dou, and Ji-Rong Wen. Encoding History with Context-aware Representation Learning for Personalized Search. In Proceedings of the 43rd International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2020 Full Paper)
- **Yujia Zhou**, Zhicheng Dou, and Ji-Rong Wen. 2020. Enhancing Re-finding Behavior with External Memories for Personalized Search. In Proceedings of the 21st ACM International Conference on Web Search and Data Mining. (WSDM 2020 Full Paper)
- **Yujia Zhou**, Zhicheng Dou, Songwei Ge, and Ji-Rong Wen. Dynamic Personalized Search Based on RNN with Attention Mechanism. Chinese Journal of Computer (2019), Vol 42. (Best Student Paper Award in CCIR 2018)

HONOR & AWARDS

- National scholarship for PhD students 2020
- Outstanding Innovative Talents Cultivation Funded Programs of Renmin University of China 2020
- Best Student Paper Award in CCIR2018 2018