

Jiarui Qin

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EDUCATION

Shanghai Jiao Tong University

Sept. 2019 - Jun. 2025 (expected)

- Ph.D. in Computer Science
- GPA: 3.83/4.0
- Advisors: Prof. [Weinan Zhang](#) and Prof. [Yong Yu](#).

Shanghai Jiao Tong University

Sept. 2015 - Jun. 2019

- B.Eng. in Software Engineering
- GPA: Overall: 88.5/100 | Major: 89.7/100 (Ranking: 9/94)
- Advisors: Prof. [Weinan Zhang](#) and Prof. [Yong Yu](#).

RESEARCH INTERESTS

My research interests lie in general area of machine learning and deep learning, especially their applications in recommender systems, information retrieval and computational advertising.

PUBLICATIONS

Retrieval & Interaction Machine for Tabular Data Prediction

- Jiarui Qin, Weinan Zhang, Rong Su, Zhirong Liu, Weiwen Liu, Ruiming Tang, Xiuqiang He, Yong Yu.
- In Proceeding of the 26nd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining. **KDD 2021**.

Deep Learning for Click-Through Rate Estimation

- Weinan Zhang, Jiarui Qin, Wei Guo, Ruiming Tang, Xiuqiang He.
- In Proceedings of 30th International Joint Conference on Artificial Intelligence. **IJCAI 2021 Survey Track**.

User Behavior Retrieval for Click-Through Rate Prediction

- Jiarui Qin, Weinan Zhang, Xin Wu, Jiarui Jin, Yuchen Fang, Yong Yu.
- In Proceedings of the 43th International ACM SIGIR Conference on Research and Development in Information Retrieval. **SIGIR 2020**.

An Efficient Neighborhood-based Interaction Model for Recommendation on Heterogeneous Graph

- Jiarui Jin, Jiarui Qin, Yuchen Fang, Kounianhua Du, Weinan Zhang, Yong Yu, Zheng Zhang, Alexander J. Smola.
- In Proceeding of the 25nd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining. **KDD 2020**.

Sequential Recommendation with Dual Side Neighbor-based Collaborative Relation Modeling

- Jiarui Qin, Kan Ren, Yuchen Fang, Weinan Zhang, Yong Yu.
- In Proceedings of the 13th ACM International Conference on Web Search and Data Mining. **WSDM 2020**.

Lifelong Sequential Modeling with Personalized Memorization for User Response Prediction

- Kan Ren*, Jiarui Qin*, Yuchen Fang*(equal contribution), Weinan Zhang, Lei Zheng, Weijie Bian, Guorui Zhou, Jian Xu, Yong Yu, Xiaoqiang Zhu, Kun Gai.
- In Proceedings of the 42th International ACM SIGIR Conference on Research and Development in Information Retrieval. **SIGIR 2019**.

Deep Landscape Forecasting for Real-time Bidding Advertising

- Kan Ren, Jiarui Qin, Lei Zheng, Weinan Zhang, Yong Yu.
- In Proceedings of the 25th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining. **KDD 2019**.

Deep Recurrent Survival Analysis

- Kan Ren, **Jiarui Qin**, Lei Zheng, Zhengyu Yang, Weinan Zhang, Lin Qiu, Yong Yu.
- In Proceedings of the Thirty-Third AAAI Conference on Artificial Intelligence. **AAAI 2019**.

INTERNSHIP

Huawei Noah's Ark Lab

Research Intern

Sept. 2020 -

- Research Intern in Recommendation & Searching Lab of Noah's Ark Lab.
- Retrieval-based method for prediction task on multi-field categorical data.

Alibaba Group

Research Intern

Sept. 2018 - Jan. 2019

- Research Intern in Alimama Ranking&ML Group for Display Ads.
- Memory Networks for Long User Sequence Modeling: Research about modeling the extremely long user behavior sequences to improve CTR prediction performance in online display advertising of Taobao.

HONORS AND AWARDS

- **National Scholarship** (Top 2% in CS Department), Chinese Ministry of Education. 2020.
- **Excellent Intern**, Huawei Noah's Ark Lab. 2020.
- **Innovation Pioneer**, Huawei Noah's Ark Lab. 2020.
- **SIGIR 2020 Student Travel Awards**, ACM. 2020.
- **KDD 2019 Student Travel Awards**, ACM. 2019.
- **Wish Scholarship** (Top 5% in SE Department). 2017.
- **B-class Scholarship for Excellent Academic Performance** (Top 10 % in SJTU). 2016.
- **Member of SJTU RONG CHANG CHUCAI Program**. 2016-2019.

SERVICES

- PC member of FCS journal, DLP-KDD 2021.
- Reviewer of CIKM, WSDM, SIGIR, AAAI, KDD, CSUR.
- Teaching Assistant for undergraduate course SE117-Programming and Data Structure, School of Software, SJTU, 2016.

OPEN-SOURCE PROJECTS

- [Implementation of RIM](#).
- [Implementation of UBR4CTR](#).
- [Implementation of SCoRe](#).
- [Implementation of HPMN](#).
- [Implementation of DRSA](#).
- [Implementation of DLF](#).

SKILLS AND TESTS

- **Programming Language**: Python, C/C++, Java, Javascript.
- **TOEFL**: 100 (L:24, S:23, R:26, W:27).
- **CET-6**: 597.
- **CET-4**: 639.