

# Jiarui Qin

310 YiFu Building – Shanghai Jiao Tong University – Shanghai, China

🌐 [jiaruiqin.me](http://jiaruiqin.me)

✉ [qinjr\[AT\]icloud.com](mailto:qinjr@icloud.com)

## EDUCATION

---

### Shanghai Jiao Tong University

*Sept. 2019 - Jun. 2024 (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.