

Weiqi Shao

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Guizhou China
Seeking Recommendation System Algorithm Engineer



EDUCATION

Renmin University of China	Sep 2020 - Jun 2023
Gaoling School of Artificial Intelligence	Beijing
<ul style="list-style-type: none">• Master of Science (M.S.) in Artificial Intelligence Mentor: Prof. Xu Chen• First Place in the Graduate Entrance Examination GPA : 3.47 / 4.00• 2021/2022/2023 Second Class Scholarship of Renmin University of China• Home Page of My Google Scholar	
Central University of Finance and Economics	Sep 2016 - Jun 2020
Information Institute	Beijing
<ul style="list-style-type: none">• Bachelor of Management(B.Eng.) in Information Management and Information System• Second Level Certificate for National Computer GPA: 2.80 / 4.00 CET-4 CET-6• Central University of Finance and Economics Outstanding Practice Scholarship	

RESEARCH EXPERIENCE

Baidu.in	Jun 2021 - Apr 2023
Research Intern in Search Strategy Department	Beijing
<ul style="list-style-type: none">• Mentor: Dr.Dawei Yin, Prof. Xu Chen, Dr. Long Xia and Prof. Jiashu Zhao• Research Interests: Multi Interest Recommendation System and Reinforcement Learning in Recommendation System.• Partical Application: Use Reinforcement Learning method in Recommendation System to address the users' multi interest. Use the OCR information in the video to improve the search accuracy.	
AI Engine Lab, Renmin University of China	Jul 2021 - Jun 2023
M.S. Research Assistant	Beijing
<ul style="list-style-type: none">• Mentor: Prof Xu Chen• Resreach Interests: Sequential Recommendation System, Reinforcement Learning Based Recommendation System and Universal Recommendation System.• Practical Application: Mulit-Agent Reinforcement Learning is adopted for recommending three different kinds of businesses, including Video, Advertisement and Live Streaming in KuaiShou.	

RESEARCH PUBLICATION

Debiased Recommendation with User Feature Balancing. (TOIS 2023, CCF-A)	Feb 2022 - Feb 2022
Mengyue Yang, Guohao Cai, Furui Liu, Jiarui Jin, Zhenhua Dong, Xiuqiang He, Jianye Hao, Weiqi Shao, Jun Wang, Xu Chen.	
Recommendation with Causality enhanced Natural Language Explanations. (WWW 2023, CCF-A)	Mar 2022 - Mar 2022
Jingsen Zhang, Xu Chen, Jiakai Tang, Weiqi Shao, Zhenhua Dong and Rui Zhang.	
Sequential Recommendation with User Evolving Preference Decomposition. (SIGIR-AP 2023, Best Paper Honorable Mention)	Jun 2021 - Nov 2023
Weiqi Shao, Xu Chen, Long Xia, Jiashu Zhao, Jingsen Zhang and Dawei Yin.	
Aggregation Recommendation from Heterogeneous Videos via Multi-Agent Reinforcement Learning. (IJCNN2023,Computer Class A Conference)	Mar 2022 - May 2022
Yabin Zhang, Weiqi Shao(Co-First Author), Xu Chen, Yali Du, Xiaoxiao Xu, Dong Zheng, Changhua Pei, Shuai Zhang, Peng Jiang, Kun Gai.	

WORK EXPERIENCE

Alibaba Group

Aug 2023 - Nov 2023

Algorithm Engineer Alimama's External Advertising UD Effect & Algorithm Team

Beijing

- **ByteDance User Embedding Model:** Use the 328-Dimensional user feature vector in the ByteDance to calculate the CVR in Alimama's External Advertisement. Comparing with the Baseline method, Embedding Model can on average improve 1.3% on the metrics of AUC.
- **Refund Rate Model Development:** The refund rate causes the model to overestimate the CVR index. Therefore add the refund rate statistical indicators to the model to improve the prediction accuracy of the CVR.

SELF-EVALUATION

- Strong coding ability, especially coding in Reinforcement Learning, proficient in **Python, Pytorch, Tensorflow**. Writing more than **600 Algorithms** in Leetcode. The link of my [GitHub](#).
- **Highly Self-Motivated in Research**, and I want to be a **Professor** in the future.
- Write [Blog](#) about Reinforcement Learning Based Recommendation System.

HONORS & AWARDS

Second Prize in the National High School Olympiad Mathematics Competition

2014

SIGIR-AP 2023 Best Paper Honorable Mention

2023

OTHERS

- **Skills:** Python, Tensorflow, Pytorch, Pandas, Numpy, Linux
- **Interests:** Basketball, Fishing, Music