

# WeiQi Shao

18810919359 | shaoweiqi@alu.ruc.edu.cn  
Guizhou China  
Seeking Recommendation System Algorithm Engineer



## EDUCATION

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

## RESEARCH EXPERIENCE

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

## RESEARCH PUBLICATION

<b>Debiased Recommendation with User Feature Balancing. (TOIS 2023, CCF-A)</b>	Feb 2022 - Feb 2022
Mengyue Yang, Guohao Cai, Furui Liu, Jiarui Jin, Zhenhua Dong, Xiuqiang He, Jianye Hao, WeiQi Shao, Jun Wang, Xu Chen.	
<b>Recommendation with Causality enhanced Natural Language Explanations. (WWW 2023, CCF-A)</b>	Mar 2022 - Mar 2022
Jingsen Zhang, Xu Chen, Jiakai Tang, WeiQi Shao, Zhenhua Dong and Rui Zhang.	
<b>Sequential Recommendation with User Evolving Preference Decomposition. (SIGIR-AP 2023, Best Paper Honorable Mention)</b>	Jun 2021 - Nov 2023
WeiQi Shao, Xu Chen, Long Xia, Jiashu Zhao, Jingsen Zhang and Dawei Yin.	
<b>Aggregation Recommendation from Heterogeneous Videos via Multi-Agent Reinforcement Learning. ( IJCNN2023,Computer Class A Conference)</b>	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