

# Changshuo Zhang

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🎓 Google Scholar

🐙 <https://github.com/lyingCS>

🏠 Recommender Systems, Reinforcement Learning



## EDUCATION

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**Renmin University of China**

2023 - present

*M.S. student in Artificial Intelligence*

Advisors: Xiao Zhang & Jun Xu

**University of Electronic and Technology of China**

2019 - 2023

*B.S. in Computer Science and Technology*

GPA: 3.89/4.0

## PUBLICATIONS

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### Preprints

\* - equal contribution

3. **A Survey of Controllable Learning: Methods and Applications in Information Retrieval.**  
Chenglei Shen, Xiao Zhang, Teng Shi, **Changshuo Zhang**, Guofu Xie, Jun Xu.  
*arXiv:2407.06083, 2024.*
2. **Do Not Wait: Learning Re-Ranking Model Without User Feedback At Serving Time in E-Commerce.**  
Yuan Wang\*, Zhiyu Li\*, **Changshuo Zhang**, Sirui Chen, Xiao Zhang, Jun Xu, Quan Lin.  
*arXiv:2406.14004 (under review), 2024.*
1. **QAGCF: Graph Collaborative Filtering for Q&A Recommendation.**  
**Changshuo Zhang**, Teng Shi, Xiao Zhang, Yanping Zheng, Ruobing Xie, Qi Liu, Jun Xu, Ji-Rong Wen.  
*arXiv:2406.04828 (under review), 2024.*

### Conference Publications

2. **Reinforcing Long-Term Performance in Recommender Systems with User-Oriented Exploration Policy.**  
**Changshuo Zhang\***, Sirui Chen\*, Xiao Zhang, Sunhao Dai, Weijie Yu, Jun Xu.  
*Research and Development in Information Retrieval (SIGIR), 2024.*
1. **Controllable Multi-Objective Re-ranking with Policy Hypernetworks.**  
Sirui Chen\*, Yuan Wang\*, Zijiang Wen, Zhiyu Li, **Changshuo Zhang**, Xiao Zhang, Quan Lin, Cheng Zhu, Jun Xu.  
*Knowledge Discovery and Data Mining (SIGKDD), 2023.*

## SELECTED AWARDS AND HONORS

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- National Scholarship 2021 - 2022
- National First Prize (Top 0.5%) at Blue Bridge Cup Competition 2021
- National Second Prize (Top 2.8%) at China Undergraduate Mathematical Contest in Modeling 2021
- Meritorious Winner (Top 7%) at American Undergraduate Mathematical Contest in Modeling 2021
- 350 points (Top 1.9%) at CCF Certified Software Professional 2022
- Silver Medal (Top 15%) at China Collegiate Algorithm Design & Programming Challenge Contest 2022

## PROFESSIONAL SKILLS

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- *programming language*: C, C++, Matlab, Python, Java, SQL.
- *algorithm*: [LeetCode](https://leetcode.com/) website **TOP 3.2%**, problem solving **800+**.
- *other skills*: Git, Vim, Latex, Linux, Qt, etc.