Changshuo Zhang

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Research Interests: Recommender Systems, Reinforcement Learning

EDUCATION

Renmin University of China Master
Artificial Intelligence 2023.09-2026.07

- **Supervisor**: Assistant Prof. Xiao Zhang and Prof. Jun Xu

University of Eletronic and Technology of China Bachelor
Computer Science and Technology 2019.09-2023.07

- **GPA**: 3.89/4.0

PUBLICATIONS

- **Changshuo Zhang***, Sirui Chen*, Xiao Zhang, Sunhao Dai, Weijie Yu, Jun Xu. Reinforcing Long-Term Performance in Recommender Systems with User-Oriented Exploration Policy. **ACM SIGIR 2024**
- Sirui Chen*, Yuan Wang*, Zijing Wen, Zhiyu Li, **Changshuo Zhang**, Xiao Zhang, Quan Lin, Cheng Zhu, Jun Xu. Controllable Multi-Objective Re-ranking with Policy Hypernetworks. **ACM SIGKDD 2023**
- **Changshuo Zhang**, Teng Shi, Xiao Zhang, Yanping Zheng, Ruobing Xie, Qi Liu, Jun Xu, Ji-Rong Wen. QAGCF: Graph Collaborative Filtering for Q&A Recommendation. **Arxiv 2024**
- Yuan Wang*, Zhiyu Li*, **Changshuo Zhang**, Sirui Chen, Xiao Zhang, Jun Xu, Quan Lin. Do Not Wait: Learning Re-Ranking Model Without User Feedback At Serving Time in E-Commerce. **Arxiv 2024**

RESEARCH

Controllable Multi-Objective Re-ranking with Policy Hypernetworks
Supervised by Prof. Jun Xu and Assistant Prof. Xiao Zhang 08/2022 – 12/2022

- Introduced an innovative problem addressing real-time preference adjustments for multi-objective modeling and developed a solution employing hypernetworks: the controllable multi-objective re-ranking framework. Source code: `https://github.com/lyingCS/Controllable-Multi-Objective-Reranking`.

Reinforcing Long-Term Performance in Recommender Systems with User-Oriented Exploration Policy
Supervised by Assistant Prof. Xiao Zhang and Prof. Jun Xu 09/2023 - 01/2024

- Introduced User-Oriented Exploration Policy (UOEP), a novel approach that enables fine-grained exploration among user groups to solve the challenge of difficult exploration of reinforcement learning strategies due to different user behavior patterns. Source code: `https://github.com/lyingCS/UOEP`.

HONORS & AWARDS

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

SKILLS

- **programming language**: C, C++, Matlab, Python, Java, SQL.
- **algorithm**: LeetCode website **TOP 3.2%**, problem solving **800+**.
- **other skills**: Git, Vim, Latex, Linux, Qt, etc.