Jingsen Zhang

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🎓 Education

Renmin University of China — 2022 – 2026 (expected)

Ph.D. student, Artificial Intelligence, GSAI   Advisor: Xu Chen

Renmin University of China — 2020 – 2022

M.E. student, Software Engineering   Advisor: Wayne Xin Zhao

Dalian Maritime University — 2016 – 2020

B.E. student, Software Engineering

👥 Experience

Noah's Ark Lab, Huawei — 2022.07 – 2022.10

Recommend and Search Lab   *Research Intern*
Work on generative explainable recommendation.   Advisor: Quanyu Dai

Baidu — 2021.06 – 2021.12

Search Strategy Department   *Research Intern*
Work on unbiased learning to rank.   Advisor: LongXia and Jiashu Zhao

🏷 Research

- Recommender Systems: Explainable Recommendation.
- Large Language Model: LLM-based Agents; LLM for Recommender.   (Trying)

★ Honors and Awards

- Outstanding Innovative Talents Cultivation Funded Programs, Renmin University of China   2024
- First-class Academic Scholarship, Renmin University of China   2021, 2023
- Merit Scholarship, Renmin University of China   2021, 2023
- CIKM Student Travel Grant   2021
- Outstanding graduates of Dalian Meritime University   2020

📑 Publications

∗ Equal Contribution

- **Natural Language Explainable Recommendation with Robustness Enhancement**
  Jingsen Zhang, Jiakai Tang, Xu Chen, Wenhui Yu, Lantao Hu, Peng Jiang, Han Li.
  KDD 2024.

- **User Behavior Simulation with Large Language Model based Agents**
  Lei Wang, **Jingsen Zhang**, Hao Yang, Zhiyuan Chen, Jiakai Tang, Zeyu Zhang, Xu Chen, Yankai Lin, Ruihua Song, Wayne Xin Zhao, Jun Xu, Zhicheng Dou, Jun Wang, Ji-Rong Wen.
  Preprint.

- **A Survey on Large Language Model based Autonomous Agents**
  Lei Wang, Chen Ma, Xueyang Feng, Zeyu Zhang, Hao Yang, **Jingsen Zhang**, Zhiyuan Chen, Jiakai Tang, Xu Chen, Yankai Lin, Wayne Xin Zhao, Zhewei Wei, Ji-Rong Wen.
  Frontiers of Computer Science (FCS).   *Citation 350+*

- **Active Explainable Recommendation with Limited Labeling Budgets**
  Jingsen Zhang, Xiaohe Bo, Chenxi Wang, Quanyu Dai, Zhenhua Dong, Ruiming Tang, Xu Chen.
  ICASSP 2024.   *Oral.*

- **REASONER: An Explainable Recommendation Dataset with Comprehensive Labeling Ground Truths**
  Xu Chen, **Jingsen Zhang**∗, Lei Wang∗, Quanyu Dai, Zhenhua Dong, Ruiming Tang, Rui Zhang, Li Chen, Xin Zhao, Ji-Rong Wen.
  NeurIPS 2023, Datasets and Benchmarks Track.

- **Recommendation with Causality enhanced Natural Language Explanations**
  Jingsen Zhang, Xu Chen, Jiakai Tang, Weiqi Shao, Quanyu Dai, Zhenhua Dong, Rui Zhang.
  WWW 2023.

- **When Fairness meets Bias: a Debiased Framework for Fairness aware Top-N Recommendation**
  Jiakai Tang, Shiqi Shen, Zhipeng Wang, Zhi Gong, **Jingsen Zhang**, and Xu Chen.
  RecSys 2023.

- **Data Augmented Sequential Recommendation based on Counterfactual Thinking**
  Xu Chen, Zhenlei Wang, Hongteng Xu, **Jingsen Zhang**, Yongfeng Zhang, Wayne Xin Zhao, Ji-Rong Wen.
  TKDE 2022.

- **RecBole 2.0: Towards a More Up-to-Date Recommendation Library**
  Wayne Xin Zhao, Yupeng Hou, Xingyu Pan, Chen Yang, Zeyu Zhang, Zihan Lin, **Jingsen Zhang**, Shuqing Bian, Jiakai Tang, Wenqi Sun, Yushuo Chen, Lanling Xu, Gaowei Zhang, Zhen Tian, Changxin Tian, Shanlei Mu, Xinyan Fan, Xu Chen and Ji-Rong Wen.
  CIKM 2022, Resource Track.   *Best Resource Paper Runner Up.*

- **Causally attentive collaborative filtering**
  Jingsen Zhang, Xu Chen, Wayne Xin Zhao.
  CIKM 2021, Short Paper.

- **Counterfactual data-augmented sequential recommendation**
  Zhenlei Wang∗, **Jingsen Zhang**∗, Hongteng Xu, Xu Chen, Yongfeng Zhang, Wayne Xin Zhao, Ji-Rong Wen.
  SIGIR 2021.

❤ ACADEMIC SERVICES

- Reviewer
  - Conference: KDD 2024, NeurIPS 2024
  - Journal: TOIS, TKDD