

Tianxin Wei

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Address: 209 E University, Champaign, USA

EDUCATION

University of Illinois, Urbana Champaign (UIUC)

Champaign, USA

Doctorate in Information Science, iDEA-iSAIL Lab

Sep. 2021 – Present

➤ Advisor: Prof. Jingrui He

University of Science and Technology of China (USTC)

Anhui, China

Bachelor Degree in Computer Science, School of the Gifted Young

Sep. 2016 – Jul. 2021

➤ Honors: Artificial Intelligence Talent Class

➤ Advisor: Prof. Xiangnan He

PUBLICATIONS (* DENOTES EQUAL CONTRIBUTION)

➤ **Model-Agnostic Counterfactual Reasoning for Eliminating Popularity Bias in Recommender System** [[PDF](#)]

Tianxin Wei, Fuli Feng, Jiawei Chen, Ziwei Wu, Jinfeng Yi, Xiangnan He

Accepted by the KDD 2021 (Full Research, AR: 15.4%)

➤ **Causal Intervention for Leveraging Popularity Bias in Recommendation** [[PDF](#)]

Yang Zhang, Fuli Feng, Xiangnan He, Tianxin Wei, Chonggang Song, Guohui Ling and Yongdong Zhang

Accepted by the SIGIR 2021. (Full Research, AR: 21.0%, **Best Paper Honorable Mention, 1 Out of All**)

➤ **Fast Adaptation for Cold-start Collaborative Filtering with Meta-learning** [[PDF](#)]

Tianxin Wei, Ziwei Wu, Ruirui Li, Ziniu Hu, Fuli Feng, Xiangnan He, Yizhou Sun, and Wei Wang.

Accepted by ICDM 2020 (Full Research, AR: 9.8%)

➤ **Unpaired Multimodal Neural Machine Translation via Reinforcement Learning** [[PDF](#)]

Yijun Wang*, Tianxin Wei*, Qi Liu, Enhong Chen

Accepted by DASFAA 2021 (Full Research, AR: 20.0%)

➤ **AR-Stock: Deep Augmented Relational Stock Prediction** [[PDF](#)]

Tianxin Wei, Yuning You, Tianlong Chen.

Work presented at the AAAI 2021 KDF Workshop (Full Research)

PREPRINTS

➤ **Comprehensive Fair Meta-learned Recommender System**

Tianxin Wei, Jingrui He

In submission to at a key ML conference

➤ **Information Retrieval in Finance**

Fuli Feng*, **Tianxin Wei***, Xiangnan He, Cheng Luo, Tat-seng Chua

Under first-round revision at Foundations and Trends® in Information Retrieval

➤ **Neural Collaborative Filtering Bandits via Meta Learning**

Yikun Ban, Yunzhe Qi, **Tianxin Wei**, Jingrui He

In submission to ICML 2022

EXPERIENCE

- Department of Computer Science, University of California, Los Angeles (UCLA) California, USA
Visiting Scholar in Professor **Wei Wang & Yizhou Sun**'s Group Jul. 2019 – Sep. 2019
Project: Graph-based recsys; Automated meta-path discovery
- Department of Electrical & Computer Engineering, University of Texas at Austin (Virtual) Texas, USA
Research Intern in Professor **Zhangyang Wang**'s Group Jan. 2020 – Aug. 2020
Project: Graph contrastive learning; Fintech
- Department of Data Science, University of Science and Technology of China Hefei, China
Research Intern in Professor **Xiangnan He**'s Group Aug. 2019 – Jan. 2021
Project: Recommender System

COMMUNITY SERVICE | AWARDS | PATENTS

- PC Member: CIKM 2021
- Invited Journal Reviewer: ACM Transactions on Information Systems (TOIS), Machine Learning
- External Reviewer: SIGIR 2020, WWW 2021, TKDE
- Best Paper Award Honorable Mention at SIGIR 2021
- Artificial Intelligence Class Honor Award
- Outstanding Students Scholarship at USTC
- Zero Parallel Corpus Multimodal Neural Machine Translation Method | Public Number: CN110245364A
 - Enhong Chen, Qi Liu, Yijun Wang, **Tianxin Wei**
- A Meta-learning Recommendation Method for Cold-start Users | Public Number: CN110245364A
 - Xiangnan He, **Tianxin Wei**, Ziwei Wu, Fuli Feng
- Mitigating Popularity Bias in Recommendation System via Causal Inference | Public Number: CN113158024A
 - Xiangnan He, **Tianxin Wei**, Fuli Feng, Jiawei Chen, Jinfeng Yi