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 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 at 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

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

- A Meta-learning Recommendation Method for Cold-start Users | Public Number: CN110245364A

  o   Xiangnan He, **Tianxin Wei,** Ziwei Wu, Fuli Feng

- Mitigating Popularity Bias in Recommendation System via Causal Inference | Public Number: CN113158024A

  o   Xiangnan He, **Tianxin Wei**, Fuli Feng, Jiawei Chen, Jinfeng Yi