QIDONG LIU

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EDUCATION

City University of Hong Kong, Hong Kong, China   Aug 2022 - Present
Ph.D., Data Science
    Supervisor: Dr. Xiangyu Zhao [HOMEPAGE]
    Lab: AML Lab [HOMEPAGE]
    Affliation: School of Data Science

Xi'an Jiaotong University, Xi'an, China   Mar 2021 - Present
Ph.D., Automation
    Supervisor: Prof. Feng Tian [HOMEPAGE]
    Lab: XJTU-MKFE [HOMEPAGE]
    Affliation: he Faculty of Electronic Information

Xi'an Jiaotong University, Xi'an, China   Sep 2019 - Jan 2021
M.Sc., Cyberspace Security
    Advisor: Prof. Feng Tian
    GPA: 90.07/100 (Top 2)

Xi'an Jiaotong University, Xi'an, China   Sep 2015 - Jun 2019
B.Eng., Automation
    GPA: 85.9/100
    Graduation Thesis: Analysis of motion sensor on mobile terminal and design of Wechat Mini Programme

RESEARCH INTERESTS

- **Causal Inference**: Treatment Effect Estimation
- **Recommendation**: Debias, Sequential, Pre-training

PUBLICATIONS

- **Qidong Liu**, Feng Tian*, Qinghua Zheng, Disentangling Interest and Conformity for Eliminating Popularity Bias in Session-Based Recommendation. *Knowledge and Information Systems* (KAIS'23, CCF-B Journal) [PDF]

- **Qidong Liu**, Jiaxi Hu, Yutian Xiao, Jingtong Gao and Xiangyu Zhao*, Multimodal Recommender Systems: A Survey, *arXiv preprint arXiv:2302.03883.* [PDF]

- Fang Nan, Feng Tian*, Yaozhi Wang, **Qidong Liu**, Yanze Wu, Jizhong Zhang, Huan Li, Haiping Zhu, Yuzhe Yao, Heng Zhang, Yaqiang Wu and Qinghua Zheng. Inferring Actions and Joint Attention From Dual-view Classroom Videos, *AAAI 2023 Workshop Artificial Intelligence for Education* (AI4Edu'23)

- Wenqi Fan, Xiangyu Zhao*, Xiao Chen, Jingran Su, Jingtong Gao, Lin Wang, **Qidong Liu**, Yiqi Wang, Han Xu, Lei Chen, Qing Li, A Comprehensive Survey on Trustworthy Recommender Systems. *arXiv preprint arXiv:2209.10117.* [PDF]

- **Qidong Liu**, Feng Tian*, Weihua Ji, Qinghua Zheng. "A New Representation Learning Method for Individual Treatment Effect Estimation: Split Covariate Representation Network" *The 12th Asian Conference on Machine Learning* (ACML'20, CCF-C Conference). [PDF]

- Chen, Yan, Jiangwei Zeng, Haiping Zhu, Feng Tian*, Yu Liu, **Qidong Liu** Qinghua Zheng. "A Behavior-Item Based Hybrid Intention-Aware Frame for Sequence Recommendation." International Conference on e-Business Engineering (ICEBE'19). Springer, Cham, 2019. [PDF]

COMPETITIONS

- The 3rd Place in YIDIANZIXUN Code Competition(CTR prediction channel). [RANK] [CODE]   2021

AWARDS

- Graduate Student First-class Academic Scholarship   2020
- Outstanding Graduate Award of XJTU   2020
- XJTU Siyuan Scholarship   2017

PROJECTS

Micro-grid Load Prediction   2019 - 2020

- We constructed a LSTM-based and Multi-source Data Fusion model for load prediction.
- We achieved 95% accuracy under 20%EP standard and the model is applied in real production environment.
- I completed a patent draft.

Employment Recommendation for undergraduate   2020 - 2021

- We collected five-year employment data of undergraduate in XJTU.
- We proposed a reciprocal-constrained employment recommendation model based on multi-task learning.
- The model will give service to undergraduate in XJTU.

Hybrid enhanced e-Learning Research - Intelligent Tutorship   2021 - Present

- This project just starts.
- We plan to do some researches on learning path recommendation and resource recommendation. [Platform]

SKILLS

Programming Language	Python
DL Framework	Pytorch
Tools	Git, Docker, Latex etc.
Soft Skills	Time Management, Communication, Leadership

[Update on Feb 2023]