

# Yueqing Liang

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## CONTACT INFORMATION

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## EDUCATION

**Illinois Institute of Technology**, Chicago, USA

*Ph.D. in Computer Science*

Jan 2022 - Present

Advisor: Prof. Kai Shu

My research lies in *data mining* and *trustworthy machine learning*,  
specifically *fairness*, *recommender systems*, *LLMs*, and *NLP*.

**University of Sydney**, Sydney, Australia

*Master of Commerce, Big Data*

Jul 2018 - Jun 2020

Exchange in HEC Paris.

**Queen Mary University of London**, London, UK

*B.S., Telecommunications Engineering with Management*

Sep 2014 - Jun 2018

## PUBLICATIONS

- [1] **Yueqing Liang**, Liangwei Yang, Chen Wang, Xiong Xiao Xu, Philip S. Yu, Kai Shu, “Taxonomy-Guided Zero-Shot Recommendations with LLMs.” *Submitted to EMNLP’24*.
- [2] Xiong Xiao Xu, **Yueqing Liang**, Baixiang Huang, Zhiling Lan, Kai Shu, “SST: Multi-Scale Hybrid Mamba-Transformer Experts for Long-Short Range Time Series Forecasting.” *(in submission)*.
- [3] Yunpeng Xiao, Zhixuan Zhou, **Yueqing Liang**, Kai Shu, “Understanding the concerns and choices of the public when using large language models for healthcare.” *(in submission)*.
- [4] **Yueqing Liang**, Lu Cheng, Kai Shu, “FABLE: Fairness Attack in Abusive Language Detection.” *(in submission)*.
- [5] **Yueqing Liang**, Canyu Chen, Tian Tian, Kai Shu, “Fair Classification via Domain Adaptation: A Dual Adversarial Learning Approach.” *Frontiers in Big Data 5, 129. Jan. 2023*.
- [6] SJ Dillon\*, **Yueqing Liang\*** (co-primary), H. Russell Bernard, Kai Shu, “Investigating Gender Euphoria and Dysphoria on TikTok: Characterization and Comparison.” *arXiv Preprint (in submission)*.
- [7] Canyu Chen, **Yueqing Liang**, Xiong Xiao Xu, Shangyu Xie, Yuan Hong, Kai Shu, “On Fair Classification with Mostly Private Sensitive Attributes.” *Neural Information Processing Systems workshop on Trustworthy and Socially Responsible Machine Learning (TSRML@NeurIPS 2022)*.
- [8] Chen Wang, Fangxin Wang, Ruocheng Guo, **Yueqing Liang**, Kay Liu, Philip S Yu, “Confidence-aware Fine-tuning of Sequential Recommendation Systems via Conformal Prediction.” *arXiv Preprint (in submission)*.
- [9] Mudassir M Rashid, Mohammad Reza Askari, Canyu Chen, **Yueqing Liang**, Kai Shu, Ali Cinar, “Artificial Intelligence Algorithms for Treatment of Diabetes.” *Algorithms 2022, 15(9), 299*.
- [10] Chen Wang, **Yueqing Liang**, Zhiwei Liu and Philip S. Yu, “Pre-training Graph Neural Network for Cross-Domain Recommendation.” *IEEE CogMI, 2021*.