Yueqing Liang

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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, Xiongxiao Xu, Philip S. Yu, Kai Shu, "Taxonomy-Guided Zero-Shot Recommendations with LLMs. "*Submitted to EMNLP'24.*

[2] Xiongxiao Xu, **Yueqing Liang**, Baixiang Huang, Zhiling Lan, Kai Shu, "SST: Multi-Scale Hybrid Mamba-Transformer Experts for Long-Short Range Time Series Forecasting." *Submitted to NeurIPS'24.*

[3] Yunpeng Xiao, Zhixuan Zhou, **Yueqing Liang**, Kai Shu, "Understanding the concerns and choices of the public when using large language models for healthcare." *Submitted to AIES'24.*

[4] **Yueqing Liang**, Lu Cheng, Kai Shu, "FABLE: Fairness Attack in Abusive Language Detection." *Submitted to CIKM'24.*

[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." *International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2024).*

[7] Canyu Chen, **Yueqing Liang**, Xiongxiao 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 (submitted to CIKM'24).*

[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.*