

Yueqing Liang

CONTACT INFORMATION

10 West 31st Street
Chicago, IL 60616, USA

Phone: +1 773-882-8848
E-mail: yliang40@hawk.iit.edu
Homepage: yueqingliang1.github.io/

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*, *NLP*, *LLMs*, and *recommender systems*.

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**, Lu Cheng, Kai Shu, “FABLE: Fairness Attack in Abusive Language Detection.” *(in submission)*.
- [2] **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.
- [3] 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)*.
- [4] 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)*.
- [5] Chen Wang, Liangwei Yang, Zhiwei Liu, Xiaolong Liu, Mingdai Yang, **Yueqing Liang**, Philip S Yu, “Collaborative Contextualization: Bridging the Gap between Collaborative Filtering and Pre-trained Language Model.” *arXiv Preprint (in submission)*.
- [6] 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.
- [7] Chen Wang, **Yueqing Liang**, Zhiwei Liu and Philip S. Yu, “Pre-training Graph Neural Network for Cross-Domain Recommendation.” *IEEE CogMI*, 2021.

ONGOING RESEARCH PROJECTS

How Large Language Models Reshape Health Information Searches.

Investigated the impact of large language models on public health information-seeking behaviors.
Utilized interviews and questionnaires with diverse participants.

Reciprocal Recommendation with Large Language Models.

SKILLS

Python, PyTorch, Pandas, Scikit-learn, Numpy, Matplotlib, L^AT_EX, Jupyter, Tableau

HONORS AND AWARDS

Vice Chancellor’s Global Mobility Scholarship

University of Sydney, 2019