

Yiqun DIAO

E-mail: yiqun@comp.nus.edu.sg

EDUCATION

- National University of Singapore (NUS), Singapore** 08/2021 to present
- PhD candidate in Computer Science, advised by Prof. Bingsheng HE
- Shanghai Jiao Tong University (SJTU), China** 09/2017 to 06/2021
- Bachelor in Computer Science and Technology Major GPA: **93.53/100 (4.08/4.3)** Ranking: **1/149**
 - Selected in Zhiyuan **Honors** Program of Engineering (Top 5%)
- The University of Texas at Austin (UT Austin), USA** 08/2019 to 12/2019
- Exchange student in Computer Science GPA: **4.0/4.0**

RESEARCH INTEREST

Federated learning, open-set learning, data stream learning

PUBLICATIONS

- [1] **Yiqun Diao**, Yutong Yang, Qinbin Li, Bingsheng He, and Mian Lu. OEBench: Investigating Open Environment Challenges in Real-World Relational Data Streams. 50th International Conference on Very Large Databases (VLDB), 2024.
- [2] **Yiqun Diao**, Qinbin Li, and Bingsheng He. Exploiting Label Skews in Federated Learning with Model Concatenation. The 38th Annual AAAI Conference on Artificial Intelligence (AAAI), 2024.
- [3] **Yiqun Diao**, Qinbin Li, and Bingsheng He. Towards Addressing Label Skews in One-Shot Federated Learning. In The Eleventh International Conference on Learning Representations (ICLR), 2023.
- [4] Qinbin Li*, **Yiqun Diao***, Quan Chen, and Bingsheng He. Federated learning on non-iid data silos: An experimental study. IEEE International Conference on Data Engineering (ICDE), 2022. (* denotes equal contributions. Google scholar: **584 citations**; Github Repository NIID-Bench: **495 stars**)
- [5] Lixin Yang, Jiasen Li, Wenqiang Xu, **Yiqun Diao**, and Cewu Lu. BiHand: Recovering hand mesh with multi-stage bisected hourglass networks. British Machine Vision Conference (BMVC), 2020.

TEACHING EXPERIENCES

Teaching Assistant for

- Big Data System for Data Science (NUS, Spring 2022)
- Linear Algebra (SJTU, Fall 2020)
- Computational, Mathematical & Statistical Foundations of Machine Learning (SJTU, Summer 2020)

HONORS & AWARDS

- NUS SoC Research Achievement Award 2023
- NUS President Graduate Fellowship 2021
- SJTU Outstanding Graduate 2021
- SJTU Merit Scholarship Class A (Top 1%) 2018
- National Scholarship, Ministry of Education of P.R.China (Top 2%) 2018

INDUSTRY EXPERIENCES

- Internship at Microsoft 02/2021 to 07/2021
- Internship at 4Paradigm 12/2022 to 05/2023