

Zhaomin Wu

Singapore • (+65) 8356-0248 • zhaomin@comp.nus.edu.sg • www.zhaominwu.com

EDUCATION

National University of Singapore (NUS), Singapore

07/2019 – Present

Ph.D. Candidate – Computer Science

Advisor: Prof. Bingsheng He

Huazhong University of Science and Technology (HUST), China

09/2015 - 06/2019

B.Eng. – ACM class, Computer Science and Technology

GPA: 3.91/ 4.0 Rank: 10/281

PUBLICATIONS

DeltaBoost: gradient boosting decision trees with efficient machine unlearning (SIGMOD 23)

Zhaomin Wu, Junhui Zhu, Qinbin Li, Bingsheng He

A coupled design of exploiting record similarity for practical vertical federated learning (NeurIPS 22)

Zhaomin Wu, Qinbin Li, Bingsheng He

Practical vertical federated learning with unsupervised representation learning (TBD 22)

Zhaomin Wu, Qinbin Li, Bingsheng He

FedTree: a federated learning system for trees (MLSys 23)

Qinbin Li, Zhaomin Wu, Yanzheng Cai, Yuxuan Han, Ching Man Yung, Tianyuan Fu, Bingsheng He

A survey on federated learning systems: vision, hype and reality for data privacy and protection (TKDE 22)

Qinbin Li, Zeyi Wen, Zhaomin Wu, Sixu Hu, Naibo Wang, Yuan Li, Xu Liu, Bingsheng He

The oarf benchmark suite: characterization and implications for federated learning systems (TIST 21)

Sixu Hu, Yuan Li, Xu Liu, Qinbin Li, Zhaomin Wu, Bingsheng He

Privacy-preserving gradient boosting decision trees (AAAI 20)

Qinbin Li, Zhaomin Wu, Zeyi Wen, Bingsheng He

HONORS AND AWARDS

- Outstanding students, 2016 – Top 1% in HUST
- National scholarship, 2017 – Top 1% in HUST
- Merit Student, 2016 – Top 5% in HUST
- Outstanding Undergraduate Thesis, 2019 – Top 5% in HUST
- Meritorious Winner in Mathematical Contest in Modeling, 2018 – Top 10% worldwide
- Third Prize in National College Students Connected Smarter System Innovation Competition, 2016 – Top 10% nationwide in China

TECHNICAL SKILLS

Familiar Programming Languages: Python, C, C++, Java

Utilized Programming Languages: Verilog, MATLAB, x86 Assembly, Standard ML, SQL, JavaScript

Familiar Tools: PyTorch, Linux Command Line, Latex, Word, Excel, PowerPoint

Utilized Tools: JavaFX, Win32 API, Qt, LightGBM, XGBoost, TensorFlow, Apache Cassandra, MongoDB

Languages: Chinese (native), English (competent)

LEADERSHIP & SERVICE

Reviewer of TPDS, TIST, IoTJ

2021 – 2022

Program Committee Member of PAKDD

2021 – 2022

Tutorial Speaker of International Joint Conference on Artificial Intelligence (IJCAI)

2020

President of Students' Union of School of Computer Science of Technology, HUST

06/2017 – 05/2018