Wenke Huang

https://wenkehuang.github.io

Personal Information

Concat: wenkehuang@whu.edu.cn
Github: github.com/wenkehuang
Wechat: Wenke060502
LinkedIn: Link
Blog: Link
Research Field: Federated Learning, Graph Learning, and Fintech Link

Education

Wuhan University, Wuhan, China — Sep. 2021 – Present
PhD Student in School of Computer Science
Advisor Prof. Mang Ye and Prof. Bo Du

Wuhan University, Wuhan, China — Sep. 2017 – Jun. 2021
Bachelor of Software Engineering

Wuhan University, Wuhan, China — Sep. 2018 – Jun. 2021
Bachelor of Finance

Changjun High School, Changsha, China — Sep. 2014 – Jun. 2017
Senior high school

Publication

† means equal contribution

[6] **Wenke Huang**, Mang Ye, Zekun Shi, Bo Du — TPAMI 2023
Generalizable Heterogeneous Federated Cross-Correlation and Instance Similarity Learning
We handle model heterogeneous federated learning from feature and logits aspects.

[5] **Wenke Huang**, Mang Ye, Zekun Shi, He Li, Bo Du — CVPR 2023
Rethinking Federated Learning with Domain Shift: A Prototype View
We handle federated learning with domain shift from the prototype view.

[4] **Wenke Huang**†, Guancheng Wan†, Mang Ye, Bo Du — IJCAI 2023
Federated Graph Semantic and Structural Learning
We handle federated graph learning from node-level semantic and graph-level structure.

[3] Xiyuan Yang†, **Wenke Huang**†, Mang Ye — NeurIPS 2023
Dynamic Personalized Federated Learning with Adaptive Differential Privacy
We consider dynamic personalized federated learning with adaptive differential privacy

[2] **Wenke Huang**, Mang Ye, Bo Du — CVPR 2022
Learn from Others and Be Yourself in Heterogeneous Federated Learning
We investigate heterogeneity problems and catastrophic forgetting in federated learning.

[1] **Wenke Huang**, Mang Ye, Bo Du, Xiang Gao — ACM MM 2022
Few-Shot Model Agnostic Federated Learning
We study a challenging problem, namely few-shot model agnostic federated learning.

Research Experience

Microsoft Research Asia, Beijing, China — April. 2023 – Jun. 2023
Research Intern in Social Computing Group, advised by Fangzhao Wu

Alibaba Group, Hangzhou, China — Jun. 2020 – Aug. 2020
Research Intern in alibaba-xux Team

Wuhan University, Wuhan, China — Nov. 2018 – Mar. 2020
Research Intern in NIS&P Lab, advised by Zhibo Wang

Selected Honors

Scholarship of Graduate Academic Innovation (**First** Prize) Link	Oct. 2023
Scholarship of Guotai Junan Securities Co.,Ltd (**First** Prize Top **2**) Link	Nov. 2022
National Second Prize in the 9^{rd} CHINA SOFTWARE CUP Demo	Aug. 2020
Meritorious Winner in the MCM/ICM Link	Feb. 2020
Futures Practitioner Qualification Certificate from China Futures Association Link	Nov. 2019
National Third Prize in the 8^{rd} CHINA SOFTWARE CUP Demo	Sep. 2019
Second National Scholarship from Ministry of Education of China	Nov. 2018

Service & Talk

Conference Reviewer: CVPR (2024), ICCV (2023), AAAI (2024)

Journal Reviewer: IEEE TNNLS, IEEE TNET

MISC

Interests: Fitness, Surfing, Running, Basketball, Football

Instruments: Piano, Electronic Organ, Guitar

Music: Boombap, Melodic Rap, Hardcore Rap