ZHIPENG ZHOU Ph.D.

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WORK EXPERIENCE		
	Nanyang Technological University	Singapore
	Postdoc @ College of Computing and Data Science	2024 - Now

- Advisor: Prof. Chunyan Miao (IEEE Fellow)
- Research area: Efficient Learning, Multi-task Learning, and LLMs

EDUCATION		
	University of Science and Technology of China	Hefei, China
	Ph.D. @ Computer Science and Technology	2020 - 2024

- Advisor: Prof. Wei Gong
- Research area: Few-shot/Transfer/Long-tailed Learning
- Outstanding graduate of USTC

University of Science and Technology of China Hefei, China
M.E. @ Information Science and Technology 2017 - 2020

- Advisor: Assoc. Prof. Dong Yin
- Research area: Object Tracking

Donghua University Shanghai, China
B.E. @ Information Science and Technology 2013 - 2017

- Rank: 1/33. Outstanding graduate of Shanghai

RESEARCH INTERESTS	

Efficient Learning: Multi-task/Few-shot Learning, Efficient LLM Tuning
Distribution Shifts: Long-tailed/Transfer Learning
Mobile Computing: Wireless Sensing

INTERNSHIPS		
	Tencent AI Lab	Shenzhen, China	2022.05 - 2024.03

- Mentor: Prof. Peilin Zhao (SJTU), Dr. Liu Liu, and Prof. Lanqing Li
- Long-tailed problems and its application, e.g., CV, AIDD.
- Multi-task Learning and its application, e.g., CV, LLM.

MAIN AWARDS & HONORS

- Outstanding Graduate of USTC — 2024
- ICLR 2024 Financial Assistance Awardees — 2024
- Global Digital Technology Scholarship — 2022
- Student Travel Grant of IEEE INFOCOM 2022 — 2022
- Outstanding Graduate of Shanghai & Tongqi Scholarship — 2017
- National Scholarship & Donghua Scholarship — 2016
- Sangma Scholarship & Donghua Scholarship — 2015

1. **Zhipeng Zhou**, Ziqiao Meng, Pengcheng Wu, Peilin Zhao, Chunyan Miao, "Continual Optimization with Symmetry Teleportation for Multi-Task Learning", in *NeurIPS 2025*.

2. **Zhipeng Zhou**, Ziqiao Meng, Pengcheng Wu, Peilin Zhao, Chunyan Miao, "Exploring Tradeoffs through Mode Connectivity for Multi-Task Learning", in *NeurIPS 2025*.

3. **Zhipeng Zhou**, Liu Liu, Peilin Zhao, Wei Gong, "Injecting Imbalance Sensitivity for Multi-Task Learning", in *IJCAI 2025*.

4. **Zhipeng Zhou**, Liu Liu, Peilin Zhao, Wei Gong, "Pareto Deep Long-Tailed Recognition: A Conflict-Averse Solution", in *ICLR 2024*.

5. **Zhipeng Zhou***, Lanqing Li*, Peilin Zhao, Pheng Ann Heng, Wei Gong, "Class-Conditional Sharpness Aware Minimization for Deep Long-Tailed Recognintion", in *CVPR 2023*.

6. **Zhipeng Zhou**, Feng Wang, Jihong Yu, Ju Ren, Zhi Wang, Wei Gong, "Target-oriented Semi-supervised Domain Adaptation for WiFi-based HAR", in *INFOCOM 2022*.

7. Mianzimei Yang, **Zhipeng Zhou#**, Jin Zhang, Yuanhao Pu, Hong Xie, Defu Lian#, "Conflict-Buffering Optimization by Symmetry Teleportation for Deep Long-Tailed Recognition", in *ACM MM 2025*.

8. **Zhipeng Zhou**, Haoquan Zhou, Wei Gong, "Guidepost: Target-oriented Few-shot Transferring via Measuring Task Similarity", in *CIKM 2023*.

9. **Zhipeng Zhou**, Feng Wang, Wei Gong, "i-Sample: Augment Domain Adversarial Adaptation Models for WiFi-based HAR", in *ACM Transactions on Sensor Networks*, 2023.

10. **Zhipeng Zhou**, Jihong Yu, Zheng Yang, Wei Gong, "MobiFi: Fast Deep-Learning Based Localization Using Mobile WiFi ", in *GLOBECOM*, 2020.

11. Linxiao Cao, Mianzimei Yang, **Zhipeng Zhou#**, Hong Xie, Defu Lian, Menglin Yang, "Towards Calibrated Gradient-based Multi-Task Learning", in *CVPR Findings*, 2026.

12. Ziqiao Meng, Qichao Wang, Zhiyang Dou, Zixing Song, **Zhipeng Zhou**, Irwin King, Peilin Zhao., "PointNSP: Autoregressive 3D Point Cloud Generation with Next-Scale Level-of-Detail Prediction", in *CVPR*, 2026.

13. Yuhan Pan, **Zhipeng Zhou**, Wei Gong, Yuguang Fang, "SAT: A Selective Adversarial Training Approach for WiFi-based HAR System", in *IEEE Transactions on Mobile Computing*, 2024.

14. Mianzimei Yang, **Zhipeng Zhou**, Wei Gong, "Revisiting the Representation Learning in Long-Tailed Medical Image Classification", in *Pattern Recognition*, 2025.

15. Youquan Wang, **Zhipeng Zhou**, Shuai Wang, Xianjun Deng, Wei Xi, Wei Gong, "Towards Stable WiFi-based HAR from Imbalanced Data and Changing Circumstances", in *ACM Transactions on Sensor Networks*, 2025.

16. Guangzhi Zhao, **Zhipeng Zhou**, Yutao Huang, Amiya Nayak, Haoquan Zhou, Wei Gong, "ALSensing: Human Activity Recognition using WiFi based on Active Learning", in *WCNC 2023*.

17. Haoqiang Zhang, **Zhipeng Zhou**, Wei Gong,"Wi-Adaptor: Fine-grained Domain Adaptation in WiFi-based Activity Recognition ", in *GLOBECOM 2021*.

PC Member/Reviewer for: ICML (2024, 2025, 2026), NeurIPS (2024, 2025), ICLR (2025, 2026), CVPR (2025, 2026), ICCV (2025), ECCV (2026), IJCAI (2024, 2025, 2026), AAAI (2026), ACM MM (2024, 2025), AISTATS (2025), WACV (2026), CIKM (2025), WSDM (2024-2026), ECAI (2025), ICME (2024, 2025), ECML-PKDD (2022).

Journal Reviewer: IEEE TPAMI, TMLR, IEEE TNNLS, IEEE TMC, Neural Networks, Scientific Reports, Computing.