Yihao ZHAO

Ph.D. Candidate, Peking University

▤ [Yihao Zhao's Homepage](#)   ✉ zhaoyh98@pku.edu.cn

Education

Peking University (PKU)   **Beijing, China**
Ph.D., School of Computer Science   *Sept. 2021 – Present*
Advisor: Xuanzhe Liu
Co-advisor: Xin Jin

Peking University (PKU)   **Beijing, China**
*B.E. in Computer Science, **Turing Class***   *Sept. 2017- Jul. 2021*
Overall GPA: 3.78/4.0 (top 7%)

Research & Publications

[1] **SeaLLM: Service-Aware and Latency-Optimized Resource Sharing for Large Language Model Inference**
Yihao Zhao, Jiadun Chen, Peng Sun, Lei Li, Xuanzhe Liu, Xin Jin
Submitted to ATC'25

[2] **MuxFlow: Efficient GPU Sharing in Production-Level Clusters with More Than 10,000 GPUs**
Xuanzhe Liu (Advisor), **Yihao Zhao**, Shufan Liu, Xiang Li, Yibo Zhu, Xin Liu, Xin Jin
Science China Information Sciences 2024, CCF-A

[3] **GreenFlow: A Carbon Efficient Scheduler for Deep Learning Workloads**
Diandian Gu, **Yihao Zhao**, Peng Sun, Xin Jin, Xuanzhe Liu
IEEE TPDS 2024, CCF-A

[4] **How Useful is Communication Scheduling for Distributed Training?**
Yihao Zhao, Xuanzhe Liu, Xin Jin
MoNeTec 2024

[5] **Klotski: Efficient and Safe Network Migration of Large Production Datacenters**
Yihao Zhao*, Xiaoxiang Zhang*, Hang Zhu, Ying Zhang, Zhaodong Wang, Yuandong Tian, Alex Nikulkov, Joao Ferreira, Xuanzhe Liu, Xin Jin
ACM SIGCOMM 2023, CCF-A

[6] **ElasticFlow: An Elastic Serverless Training Platform for Distributed Deep Learning**
Diandian Gu*, **Yihao Zhao***, Yinmin Zhong, Yifan Xiong, Zhenhua Han, Peng Cheng, Fan Yang, Gang Huang, Xin Jin, Xuanzhe Liu
ACM ASPLOS 2023, CCF-A

[7] **Multi-Resource Interleaving for Deep Learning Training**
Yihao Zhao, Yuanqiang Liu, Yanghua Peng, Yibo Zhu, Xuanzhe Liu, Xin Jin
ACM SIGCOMM 2022, CCF-A

[8] **Unpaired Image-to-Image Translation using Adversarial Consistency Loss**
Yihao Zhao, Ruihai Wu, Hao Dong
ECCV 2020, CCF-B

Working Experience

Shanghai AI Lab, research intern   *Jun. 2024 – Feb. 2025*
Advisor: Peng Sun

ByteDance, research intern   *Jan. 2021 – Sept. 2023*
Advisor: Xin Liu, Yanghua Peng, Yibo Zhu

Teaching Experience

Teaching Assistant
Distributed Machine Learning   Fall 2022, Fall 2023
Introduction to Computing (A)   Fall 2021
Introduction to Computer Systems   Fall 2019

Awards and Honors

Top Ten Academic Achievers (Nomination Award), PKU CS   Dec. 2024
Presidential Scholarship, PKU   Jun. 2023

Jiukun Prize, PKU	Oct. 2022
Third Prize, Peking University Award, PKU	Oct. 2020
Merit Student Award, PKU	Oct. 2020
First Prize, Turing Benjing Award, PKU	Oct. 2019
Benz Scholarship (Only 2 for Grade 2017, EECS), PKU	Oct. 2018
Merit Student Award, PKU	Oct. 2018

Services

Invited Reviewer

IEEE TSC, IEEE/ACM TON

Sub-Reviewer

SIGIR 2023, ICDCS 2023, ICWS 2023, APNET 2023

Skills

➢ Programming Languages: Python, C++

➢ Deep Learning Frameworks: PyTorch, TensorFlow

➢ Software & OS: LaTeX, MS Office, Linux