

Yihao ZHAO

Ph.D. Student, Peking University

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

Education

Peking University (PKU)

Ph.D., School of Computer Science

Advisor: Xuanzhe Liu

Co-advisor: Xin Jin

Beijing, China

Sept. 2021 – Present

Peking University (PKU)

B.E. in Computer Science, Turing Class

Overall GPA: 3.78/4.0 (top 7%)

Beijing, China

Sept. 2017- Jul. 2021

Research & Publications

[1] 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, CCF-A

[2] GreenFlow: A Carbon Efficient Scheduler for Deep Learning Workloads

Diandian Gu, **Yihao Zhao**, Peng Sun, Xin Jin, Xuanzhe Liu

IEEE TPDS 2024, CCF-A

[3] How Useful is Communication Scheduling for Distributed Training?

Yihao Zhao, Xuanzhe Liu, Xin Jin

MoNeTec 2024

[4] 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

[5] 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

[6] Multi-Resource Interleaving for Deep Learning Training

Yihao Zhao, Yuanqiang Liu, Yanghua Peng, Yibo Zhu, Xuanzhe Liu, Xin Jin

ACM SIGCOMM 2022, CCF-A

[7] Unpaired Image-to-Image Translation using Adversarial Consistency Loss

Yihao Zhao, Ruihai Wu, Hao Dong

ECCV 2020, CCF-B

Working Experience

ByteDance, research intern

Advisor: Xin Liu, Yanghua Peng, Yibo Zhu

Jan. 2021 – Sept. 2023

Teaching Experience

Teaching Assistant

Distributed Machine Learning

Fall 2022

Introduction to Computing (A)

Fall 2021

Introduction to Computer Systems

Fall 2019

Awards and Honors

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