Yihao ZHAO

Ph.D. Student, 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] **GreenFlow: A Carbon Efficient Scheduler for Deep Learning Workloads**

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

IEEE TPDS 2024, CCF-A

[2] **How Useful is Communication Scheduling for Distributed Training?**

Yihao Zhao, Xuanzhe Liu, Xin Jin

MoNeTec 2024

[3] **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

[4] **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

[5] **Multi-Resource Interleaving for Deep Learning Training**

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

ACM SIGCOMM 2022, CCF-A

[6] **Unpaired Image-to-Image Translation using Adversarial Consistency Loss**

Yihao Zhao, Ruihai Wu, Hao Dong

ECCV 2020, CCF-B

Working Experience

ByteDance, research intern   *Jan. 2021 – Sept. 2023*

Advisor: Xin Liu, Yanghua Peng, Yibo Zhu

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