YINMIN ZHONG

Yanyuan Building, Peking University, No.5 Yiheyuan Road, Haidian District, Beijing, China

Email: zhongyinmin@pku.edu.cn ⋄ Github: PKUFlyingPig

EDUCATION

Peking University   *Sep 2022 - Present*
Ph.D. in Computer Science.
Advisor: Xin Jin

Peking University   *Sep 2018 - June 2022*
B.S. in Computer Science.   **GPA: 3.79/4.0**

RESEARCH INTEREST

My research interest lies in the intersection of Deep Learning and Distributed Systems. I use the insight from a system view to improve different aspects (efficiency, performance, scalability) of deep learning training and serving.

PUBLICATIONS

AlpaServe: Statistical Multiplexing with Model Parallelism for Deep Learning Serving
Zhuohan Li[*], Lianmin Zheng[*], **Yinmin Zhong**[*], Vincent Liu, Ying Sheng, Xin Jin, Yanping Huang, Zhifeng Chen, Hao Zhang, Joseph E. Gonzalez, Ion Stoica ([*]Equal Contribution)
OSDI 2023

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
ASPLOS 2023

EXPERIENCE

Peking University   **Sep 2022 - Present**
Research Assistant
· **Mentor: Xin Jin**

Alibaba DAMO Academy   **Sep 2021 - Sep 2022**
Research Intern
· **Mentor: Pengyu Zhang**

AI Innovation Center, Peking University   **Sep 2020 - Mar 2021**
Software Engineer Intern
· **Mentor: Ming Lei**

PROJECTS

Alpa
Alpa automates model-parallel training of large deep learning (DL) models by generating execution plans that unify data, operator, and pipeline parallelism. Alpa makes it simple to train and serve large models like GPT-3.

csdiy.wiki
csdiy.wiki collects various learning materials and online courses in computer science (CS) from top

universities in the world. It covers almost all the areas in CS and provides a comprehensive guidance for anyone who would like to self-learn CS. This project has repeatedly ranked the top popular repository in Github Trending.

TEACHING

Head TA, Operating Systems (Honor Track)	**2023 Spring**
TA, Introduction to Computing	**2022 Fall**
Head TA, Operating Systems (Honor Track)	**2022 Spring**
TA, Introduction to Computer System	**2020 Fall**

AWARDS & HONORS

Outstanding Graduate of Peking University	**2022**
Third Prize Scholarship of Peking University	**2020**
Merit Student of Peking University	**2019**
Tian Chuang Scholarship	**2019**
Zhongying Tang Scholarship	**2019**
Merit Student of Peking University	**2018**