

Hu Qinghao

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EDUCATION

Nanyang Technological University, Singapore *Aug. 2020 - Aug. 2024*
Ph.D. student in Computer Science
Supervisor: [Prof. Zhang Tianwei](#) and [Prof. Wen Yonggang](#)

National University of Singapore, Singapore *Jan. 2019 - Dec. 2019*
Master in Electrical Engineering

Zhejiang University, China *Sep. 2014 - Jun. 2018*
Bachelor in Electrical Engineering

RESEARCH INTEREST

- Machine Learning for Systems
- Job Scheduling and Cluster Management
- Automated Deep Learning Systems

PUBLICATION

Primo: Practical Learning-Augmented Systems with Interpretable Models
Qinghao Hu, Harsha Nori, Peng Sun, Yonggang Wen, Tianwei Zhang
[ATC '22] *USENIX Annual Technical Conference*

Characterization and Prediction of Deep Learning Workloads in Large-Scale GPU Datacenters
Qinghao Hu, Peng Sun, Shengen Yan, Yonggang Wen, Tianwei Zhang
[SC '21] *International Conference for High Performance Computing, Networking, Storage, and Analysis*

Deep Learning Workload Scheduling in GPU Datacenters: Taxonomy, Challenges and Vision
Wei Gao*, **Qinghao Hu***, Zhisheng Ye*, Peng Sun, et al.
[Preprint] *Submitted to ACM Computing Surveys*

PROFESSIONAL SERVICE

[OSDI '22] USENIX Symposium on Operating Systems Design and Implementation AE Committee Member
[ATC '22] USENIX Annual Technical Conference AE Committee Member
[EuroSys '22] EuroSys Conference AE Committee Member
[SOSP '21] ACM Symposium on Operating Systems Principles AE Committee Member

INVITED TALK

Scheduling in Large-Scale GPU Datacenters *Jan. 2022*
National University of Singapore

Cluster Scheduling for Deep Learning *Apr. 2021*
S-Lab for Advanced Intelligence

HONORS

Best Undergraduate Thesis Award of ISEE College	2018
Outstanding College Graduate of Zhejiang University	2018
National “TI CUP” Electronic Design Competition The Second Prize	2017
The National Talent Training Base The Third Prize Scholarship	2016
Outstanding Students The Second-Class Scholarship	2015