

Qinghao Hu

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EDUCATION

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| Nanyang Technological University, Singapore <i>Ph.D. student in Computer Science</i> Supervisor: Prof. Zhang Tianwei and Prof. Wen Yonggang | Aug. 2020 - Aug. 2024 |
| National University of Singapore, Singapore <i>Master in Electrical Engineering</i> | Jan. 2019 - Dec. 2019 |
| Zhejiang University, China <i>Bachelor in Electrical Engineering</i> | Sep. 2014 - Jun. 2018 |

RESEARCH INTEREST

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

PUBLICATION

Lucid: Non-Intrusive, Scalable and Interpretable Deep Learning Job Scheduling
Qinghao Hu*, Meng Zhang*, Peng Sun, Yonggang Wen, Tianwei Zhang
[ASPLOS '23] Architectural Support for Programming Languages and Operating Systems

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

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| [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

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| Scheduling in Large-Scale GPU Datacenters <i>National University of Singapore</i> | Jan. 2022 |
| Cluster Scheduling for Deep Learning <i>S-Lab for Advanced Intelligence</i> | Apr. 2021 |

HONORS

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| 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 |