

# Hu Qinghao

S-Lab for Advanced Intelligence  
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## EDUCATION

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

## RESEARCH INTEREST

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

## PUBLICATION

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**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>	<i>Jan. 2022</i>
Cluster Scheduling for Deep Learning <i>S-Lab for Advanced Intelligence</i>	<i>Apr. 2021</i>

## HONORS

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