HAO WANG

 $+852\ 68758509 \diamond \text{Hong Kong} \diamond 1996.11.14$

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EDUCATION

| PhD Candidate in Computer Science, HKUST (Focus on Network & AI System) | 2019.8 - now |
|---|-----------------|
| BSc in Computer Science, Peking University (Outstanding Graduate) | 2015.9 - 2019.7 |

EXPERIENCES

| UG Visiting Internship Program of HKUST in iSING Lab 2 – Work in iSING Lab, supervised by Prof. Kai CHEN. Learn on applying AI to data cer | 2019.3 - 2019.6, Hong Kong ater network. |
|--|---|
| Research Intern in Naturali (an AI Startup Corporation) – Reproduce and test latest NLP research work. – Write TF operators and benchmark for the company's toolkit. | 2018.1 - 2018.6, Beijing |
| Student Research Assistant in the Network and Dig Data Lab of PKU – Research on data streams, big data algorithms, network measurement. | 2017.4 - 2019.3, Beijing |

SELECTED PUBLICATIONS

| Towards Domain-Specific Network Transport for Distributed DNN Training (First Author) | NSDI 2024 | |
|---|------------------------------|--|
| Accelerating Neural Recommendation Training with Embedding Scheduling (Sixth Author) | NSDI 2024 | |
| Preemptive Switch Memory to Accelerate Training with Shared In-Network Aggregation (First Author) ICNP 2023 | | |
| AutoByte: Automatic Configuration for Optimal DNN Scheduling (Second Author) | NFOCOM 2022 | |
| QCluster: Clustering Packets for Flow Scheduling (Fifth Author) | WWW 2022 | |
| RAT: Resilient Allreduce Tree for Distributed Machine Learning (Third Author) | APNet 2020 | |
| ID Bloom Filter: Achieving Faster Multi-Set (Joint First Author) | ICC 2018 | |
| Fine-grained Probability Counting: Refined Loglog Algorithm (Third Author, Best Student Paper) | $\operatorname{BigComp}2018$ | |

ACTIVITIES

| • Web chair of Asia-Pacific Workshop on Networking (APNet) | 2021.3 - now |
|--|-----------------|
| • Original member of Blockchain Association of Peking University. | 2018.9 - 2019.7 |
| • Vice president of MSC (Microsoft Student Club) of Peking University. | 2017.9 - 2018.7 |

SKILLS

LanguagesMandarin, EnglishProgrammingC/C++, Python, Linux, FPGA, Network Simulator, Java, Html, SQLMathematicsData Structure and Algorithm, Machine Learning, Big Data, StatisticsSoft SkillsSelf-study, Paper Writing, Project Management, Presentation, Teamwork