Liu Liu 刘留

Research Assistant

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Education

- PhD of Computer Science and Technology

  Tongji University, Shanghai   2017.09 – Present

- M.S. of Signal and Information Processing

  Hefei University of Technology, Hefei   2014.09 – 2017.06

- B.S. of Electronic Information Engineering

  Chengdu University of Information and Technology, Chengdu

  2009.09 – 2013.06

Publications

- **Liu Liu**, Jian Yu, and Zhijun Ding. "Adaptive and Efficient GPU Time Sharing for Hyperparameter Tuning in Cloud." In 2022 51st International Conference on Parallel Processing (ICPP), pp. 1-11. ACM, 2022.

- Yinggen Xu, **Liu Liu**, and Zhijun Ding. "Dag-aware joint task scheduling and cache management in spark clusters." In 2020 IEEE International Parallel and Distributed Processing Symposium (IPDPS), pp. 378-387. IEEE, 2020.

- Tiago Barreto Goes Perez, Xiaobo Zhou, **Liu Liu**, and Zhijun Ding. "Bottleneck-aware task scheduling based on per-stage and multi-ml profiling." In 2019 IEEE 21st International Conference on High Performance Computing and Communications (HPCC), pp. 510-518. IEEE, 2019.

- Dazhao Cheng, Xiaobo Zhou, Yinggen Xu, **Liu Liu**, and Changjun Jiang. "Deadline-aware MapReduce job scheduling with dynamic resource availability." IEEE transactions on parallel and distributed systems (TPDS) 30, no. 4 (2018): 814-826.

- Tiago Barreto Goes Perez, Wei Chen, Raymond Ji, **Liu Liu**, and Xiaobo Zhou. "Pets: Bottleneck-aware spark tuning with parameter ensembles." In 2018 27th International Conference on Computer Communication and Networks (ICCCN), pp. 1-9. IEEE, 2018.

Research Interests

- Cloud Computing, AI, Microservices, Big Data

Projects

- 面向微小型数据中心的系统软件，国家重点研发计划 (2023-2026)
- 容器化微服务架构下的云 ERP 服务开发技术，国家重点研发计划 (2019-2022)

Selected Awards & Honors

- ICPP Best Paper Award, 2022
- ICCCN Best Paper Award, 2018
- Excellent Doctor Scholarship of Tongji University, 2017

Academic Services

- None