Shuai Mu

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Professional Experience

New York University — New York, NY

Post-doc. in Computer Science, 2015-Present

Advisor: Michael Walfish

Education

Tsinghua University — Beijing, China

Ph.D. in Computer Science, 2015

Supervisor: Weimin Zheng, Advisor: Yongwu Wu, Kang Chen

China Agricultural University — Beijing, China

B.S. in Computer Science, 2010

Ranking 1/61

Visiting Experience

University of Southern California, 3 months in 2015 — Los Angeles, CA

Advisor: Wyatt Lloyd

New York University, 13 months in 2013-2014 — New York, NY

Advisor: Jinyang Li

Sydney University, 4 months in 2012-2013 — Sydney, Australia

Supervisor: Albert Zomaya

Publications

[1] Haonan Lu, Christopher Hodsdon, Khiem Ngo, **Shuai Mu**, and Wyatt Lloyd. The snow theorem and latency-optimal read-only transactions. In *Proceedings of USENIX Symposium on Opearting Systems Design and Implementation (OSDI)*, 2016.

[2] **Shuai Mu**, Lamon Nelson, Wyatt Lloyd, and Jinyang Li. Consolidating concurrency control and consensus for commits under conflicts. In *Proceedings of USENIX Symposium on Opearting Systems Design and Implementation (OSDI)*, 2016.

[3] Zhaoguo Wang, **Shuai Mu**, Yang Cui, Han Yi, Haibo Chen, and Jinyang Li. Scaling multicore databases via constrained parallel execution. In *Proceedings of ACM International Conference on Management of Data (SIGMOD)*, 2016.

[4] **Shuai Mu**, Kang Chen, Yongwei Wu, and Weimin Zheng. When Paxos meets erasure code: reduce network and storage cost in state machine replication. In *Proceedings of ACM Symposium on High-Performance Parallel and Distributed Computing (HPDC)*, 2014.

[5] **Shuai Mu**, Yang Cui, Yang Zhang, Wyatt Lloyd, and Jinyang Li. Extracting more concurrency from distributed transactions. In *Proceedings of USENIX Symposium on Opearting Systems Design and Implementation (OSDI)*, 2014.

[6] **Shuai Mu**, Kang Chen, Pin Gao, Feng Ye, Yongwei Wu, and Weimin Zheng. μLibCloud: Providing high available and uniform accessing to multiple cloud storages. In *Proceedings of ACM/IEEE International Conference on Grid Computing (Grid)*, 2012.

Teaching Experience

Guest Lecturer, 2015.	Honors Operating Systems, NYU
Guest Lecturer, 2014.	Computer Systems, Tsinghua University
Teaching Assistant, 2011-2012.	Algorithms, Tsinghua University

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