Mi Zhang

Ph.D. in Computer Science and Engineering

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Education

2015 - 2019	**Ph.D., Computer Science and Engineering**, *The Chinese University of Hong Kong*. *Research interest*: distributed storage systems, erasure coding, and reliability *Supervisor*: Prof. Patrick P. C. Lee
2010 - 2014	**B.E., Software Engineering**, *Shandong University*. *GPA*: 91.35/100, *Ranking*: 3/259

Experience

2019 - Now	**Postdoctoral Researcher**, *The Chinese University of Hong Kong*.
2019	**Backend Engineer**, *Grab China*.
2018	**Research Intern**, *Networking System Group, Microsoft Research Asia*. Design and implement Regex Integrator to accelerate regex matching in ModSecurity. Mentored by Wei Bai at Networking Research Group.
2015 - 2018	**Teaching Assistant**, *The Chinese University of Hong Kong*. Design and grade assignments, hold weekly tutorials and laboratory sessions for: Introduction to Cloud Computing and Storage, Data Communication and Computer Networks, and Operating Systems.

Publications

Conference

[1] Parity-Only Caching for Robust Straggler Tolerance.
Mi Zhang, Qiuping Wang, Zhirong Shen, and Patrick P. C. Lee.
The 35th International Conference on Massive Storage Systems and Technology (MSST), 2019.
(CCF B)

[2] A Simulation Analysis of Reliability in Erasure-Coded Data Centers.
Mi Zhang, Shujie Han, and Patrick P. C. Lee.
The 36th IEEE International Symposium on Reliable Distributed Systems (SRDS), 2017.
(CCF B)

Journal

[3] SimEDC: A Simulator for the Reliability Analysis of Erasure-Coded Data Centers.
Mi Zhang, Shujie Han, and Patrick P. C. Lee.
Accepted for publication in *IEEE Transactions on Parallel and Distributed Systems (TPDS)*.
(CCF A, SCI IF: 3.971)

[4] Optimal Repair Layering for Erasure-Coded Data Centers: From Theory to Practice.
Yuchong Hu, Xiaolu Li, **Mi Zhang**, Patrick P. C. Lee, Xiaoyang Zhang, Pan Zhou, and Dan Feng.
ACM Transactions on Storage (TOS), 13(4), pp. 33:1-33:24, November 2017.
(CCF A, SCI IF: 0.927)

Honors & Awards

Scholarships	CUHK Postgraduate Studentship, 2015 - 2019
	Google Excellence Scholarship, 2013
	National Scholarship of China, 2011, 2012
	The First-class Scholarship for Outstanding Students of Shandong University, 2011 - 2013
Others	Certificate of Merit for Excellent Teaching Assistantship at CUHK, 2016, 2018

Excellent Graduate of Shandong Province and Shandong University, 2014

Skills

Languages	Use Java, C/C++, Python, R in research projects.
Systems	Hadoop, Spark, Ignite, Cassandra, Redis.