

# Mi ZHANG

Ph.D. Candidate in Computer Science and Engineering

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📁 [millyz.github.io/](https://github.com/millyz)

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## Education

- 2015 - Now **Ph.D. candidate, 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

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## Experience

- 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.

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## 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.
- [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.

Journal

- [3] [SimEDC: A Simulator for the Reliability Analysis of Erasure-Coded Data Centers](#).  
**Mi Zhang**, Shujie Han, and Patrick P. C. Lee.  
*Under submission*, 2018.
- [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.

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## Honors & Awards

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

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## Skills

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