

# Weichao Guo

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## Education

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**Tsinghua University** Beijing, P.R. China 09,2011 ~ present  
Ph.D candidate in Computer Science and Technology  
Advisor: Prof. Weimin zheng & Prof. Yongwei Wu  
Research Interests: Storage techniques, Mobile and Operating Systems, and Distributed Systems

**Harbin Institute of Technology** Heilongjiang, P.R. China 09,2007 ~ 07,2011  
B.S. in Software Engineering, July 2011 (Rank: 3/155)

## Research Experience

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Mobile and Distributed System Group, Tsinghua University Sep. 2011 to present  
*Research Assistant* Supervisor: Prof. Yongwei Wu

- (1) **Outlier-Aware Scheduler for Massive Parallel Compute-Intensive Tasks**
- (2) **Mobile Applications Relaunching Speedup with Flash-Aware Page Swapping**
- (3) **Bidding Frameworking for highly Available Distributed Services in Spot Instance Market**

## Publications

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1. *MARS: Mobile Application Relaunching Speed-up through Flash-Aware Page Swapping*,  
**Weichao Guo**, Kang Chen, Yongwei Wu, Weimin Zheng  
Accepted and to appear in *IEEE Transactions on Computers (TC)*
2. *Bidding for Highly Available Services with Low Price in Spot Instance Market*,  
**Weichao Guo**, Kang Chen, Yongwei Wu, Weimin Zheng  
To appear in the 24th ACM International Symposium on High-Performance Parallel and Distributed Computing (HPDC'15)
3. *NO2: Speeding Up Parallel Processing of Massive Compute-Intensive Tasks*,  
Yongwei Wu, **Weichao Guo**, Jinglei Ren, Xun Zhao, Weimin Zheng,  
*IEEE Transactions on Computers (TC)*, Vol. 63, No. 10, pp. 2487 - 2499, Oct. 2014.

## Honors and Awards

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Tsinghua Second-Class Scholarship	2013
Outstanding Graduates, Harbin Institute of Technology	2011
First Prize, Northeast Mathematical Contest in Modeling	2010
National Scholarship	2009
HIT First-Class Scholarship	2008, 2009, 2010