

# 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**

## Internship Experience

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Mobile Browser Group, Tencent Inc. Jul. 2010 to Sep. 2010  
*R.&D. Intern* Mentor: Engineer Shi Ling

Porting Flirt, an open source Linux flash runtime to Windows Mobile Platform

## 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  
Proceedings of 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, Heilongjiang Province	2011
First Prize, Northeast Mathematical Contest in Modeling	2010
Second Prize, National College Information Security Competition	2010
National Scholarship	2009
Harbin Institute of Technology First-Class Scholarship	2008, 2009, 2010