# Curriculum Vitae
## Sang Woo Jun

## Contact

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## Education

09/2011 – Present *Massachusetts Institute of Technology*, Cambridge, MA
Graduate Student in Electrical Engineering and Computer Science, Computation Structures Group (Advisor: Arvind)

03/2004 – 09/2011 *Seoul National University*, Seoul, Korea
B.S. In Computer Engineering

## Research Projects

2009 – 2009 *Visualizing and Detecting Concurrency Bugs in Multicore Software*

Part of National Information Technology Research Center Project (on Development of Embedded Software for Multicore-based Avionics) funded by Ministry of Knowledge and Economy.

2010 – 2011 *Personalized Power/Performance Optimization for Android Smartphones*

National Research Laboratory Project funded by the Ministry of Education, Science and Technology, Korean Government.

2011 – Present *BlueDBM – Distributed Flash Store for Big Data Analytics*

BlueDBM is a network of flash storage devices with an FPGA-based reconfigurable controller and a low-latency controller network, to aid in high-throughput analytics and rapid development of hardware accelerators. Jointly funded by Quanta, Samsung and Intel
(http://people.csail.mit.edu/wjun/ssd.htm)

## Teaching Experience

Fall, 2012      *MIT 6.s195 – Computer Architecture Laboratory*
*Teaching Assistant*

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## Industrial Experience

2005 – 2007      *Nexon Inc*
*Software Engineer, Security Engineer*

Client and server developer for the MMORPG MapleStory, and Client Security Engineer preventing reverse engineering of clients.

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## Notable Publications

2009      Mun-Hye Kang, Ok-Kyoon Ha, **Sang-Woo Jun**, Yong-Kee Jun. *"A Tool for Detecting First Races in OpenMP Programs,"* International Conference on Parallel Computing Technologies, 2009

2012      **Sang Woo Jun**, Kermin Fleming, Michael Adler, and Joel Emer. *"ZIP-IO: Architecture for application-specific compression of Big Data,"* International Conference on Field Programmable Technology, 2012