

Wei Zhang

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508-425-1796

EXPERIENCE: **Software Development Engineer, Amazon, Seattle, WA. 08/2011 - Present**
Designed and implemented key components for a Big Data processing platform in AWS (Amazon Web Services). Implemented features eliminated many critical hotspot issues within the pipeline and significantly improved our service stability. Designed a highly scalable test framework for our platform and led a group of SDEs in implementing it.

Designed and implemented features using Java and Perl/Mason for Amazon seller facing back-end web services and front-end user interfaces with high availability, scalability and reliability. Gained experiences during regular on-call operations including service deployment, monitoring, real time log analyzing/debugging etc.

Research Assistant, WPI, Worcester, MA. 01/2011 - 08/2011
Designed and implemented large scale distributed DNS performance measurement tools to evaluate third-party DNS providers which achieved high efficiency in data gathering and processing using multi-threads in Perl on Linux.

Research Assistant, WPI, Worcester, MA. 01/2008 - 12/2009
Designed and implemented software tools in Perl on Linux for the performance evaluation and optimization of Web services including both front-end and back-end. Created tools for virtual machine managing, monitoring and load balancing using VMWare command line interface.

ADDITIONAL EXPERIENCE: Software Engineer, Juniper Networks, Beijing China. 04/2007 - 07/2007
Software Engineer, Bitway Networks, Beijing China. 01/2005 - 03/2007

SKILLS: **Programming Languages:** Java, Perl, and C/C++.
Focusing Areas: Networks, Web Services, Cloud, Big Data.

EDUCATION: Worcester Polytechnic Institute (WPI), Worcester, MA.
Doctor of Philosophy in Computer Science. Part-time, Expected Dec 2013.

Tsinghua University, Beijing China.
Master of Engineering in Computer Science. Dec 2004.

Zhongshan University, Guangzhou China.
Bachelor of Science in Physics. Jun 1999.

HONORS: Ranked top 50 among Topcoder active members in USA as of Mar 2013.
Ranked top 100 in Google Code Jam 2010/2011/2012 among all USA contestants.
Gained a national award of scientific and technological accomplishment by the Ministry of Education of China in 2004.
Ranked 1st in the national entrance examination for postgraduate in Tsinghua University in 2001.