

# FANGFEI ZHOU

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**Ph. D. in Computer Science**

**Northeastern University**

**May 2012**

**Member of Technical Staff**

**Riverbed**

**July 2013 - current**

Worked on SteelCentral NetProfiler which monitors, analyzes and reports network performance

- Led researching and reconstructing the NetProfiler system to accommodate IPv6 netflows (C++, XML, PSQL)
- Independently completed customer features including analyzing the traffic patterns throughout Autonomous System; monitoring system services, MNMP and netflow status (C++, PSQL, JavaScript, Python)
- Demonstrated leadership capabilities through mentoring new hires as well as spearheading key features

**Senior Software Engineer**

**EMC**

**July 2012 - July 2013**

Worked on flash product innovation

- Led developing Network Daemon which monitors Ethernet, Infiniband and Roce traffic (C++, Perl, iSCSI, iSER, Infiniband, Roce)
- Shorten QA testing routine by building cross-platform automation framework (Windows, Linux and ESXi ) (Java)

**Platform Engineer, Intern**

**Akamai**

**Jan - Apr 2012**

Worked on customer-server mapping algorithm

- Researched how to adapt name server mapping algorithm in end user mapping environment (Perl, Shell scripts and SQL)
- Analyzed the accuracy of router geographic location records based on Akamai network region trace-route data (C++)
- Discovered the correlation between CIDR blocks and name server load (C++, Python)

**Software Engineer, Intern**

**Google**

**May - Aug 2011**

Worked on ModPagespeed module which improves web page download

- Improved the accuracy of web page filtering mechanisms by developing tools to detect search engine bots (C++, Java)
- Provided visualization of ModPagespeed statistics to administrators and developers by developing web pages which deliver crucial system messages and dynamic statistics histograms (JS, C++)

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## PUBLICATIONS

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SamaritanCloud: Secure and scalable infrastructure for enabling location-based service

WebCloud : Enabling more direct content exchange between web clients

Maygh: Building a CDN from client web browsers

Scheduler vulnerabilities and coordinated attacks in cloud computing

HARD-DNS: Highly-available redundantly-distributed DNS

New Cloud Architectures for the next generation internet