

**OBJECTIVE**      Software Engineer **Fulltime** (graduate in May/2014)

## EDUCATION

<i>Sep/2012- May/2014(expect ed)</i>	<i>University of Southern California</i> MS in Computer Science, GPA : 3.6	<i>Los Angeles, CA</i>
<i>Sep/2008- Jun/2012</i>	<i>Beihang University</i> B.E. in Software Engineering, GPA : 3.6 B.S. in Mathematics (2 <sup>nd</sup> degree), GPA : 4.0	<i>Beijing, China</i>

## SKILLS

*Programming Languages:* **Java**, C/C++, C#, python

*Other Skills:* SQL/NoSQL, MemcachedDB, Java MVC(Play framework), NLP, Machine learning

## EXPERIENCE

*May/2013-  
Aug/2013*      *Software Developer Intern, eBay.Inc*  
*Cloud Engineering Group, Platform and Infrastructure Team*  
Developed a generic dashboard tool called DrWatson for whole Infrastructure team in eBay (deployed to production).  
Design and implemented backend part to collect data as a time-sequence format.

- Data Driven: All queries and hierarchy structure are come from query-profile, which is user defines.
- Real-Time: All monitoring data are up-to-date with online editing and dynamic loading.
- Generic: Suitable for the data in infrastructure team, both software level and hardware level.
- Parallel: Implement java future as an asynchronized parallel protocol to collect the data

Design and implemented front-end part to show up as heatmap and linechart.

- Front-end support multiple chart format as heatmap, linechart and bubble Chart.

*Aug/2012-  
Feb/2013*      *Develop Intern, USC*  
*Database Lab*  
*A Race Condition Prevention Technique for Cache Augmented SQL DBMS*  
Implemented a prevention mechanism called gumball in memcached for the write-write race condition.

- Most of the modifications of memcached are in two separate components: memcached sever and memcached java client.
- Modified the original SET, GET, DELETE operations inside memcached, using unit test to do the sanity check with a constant value of delta time (500 ms).

*BG benchmark for social network.*  
Designed and developed BG(<http://bgbenchmark.org/BG/>), a distributed benchmark toolkit to evaluate performance of data store for interactive social networking actions and sessions.

- BG defines a conceptual model, which contains Member entity set and Resource entity set.
- Evaluate and analyzed the performance and consistency model of Microsoft SQL Server 2008 storage service.

## SELECT COURSES

Machine learning  
Applied Natural Language Processing  
Advanced Algorithm  
Advanced Database  
Introduction to Artificial Intelligence