

Hang Zhao

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| Education | University of Michigan – Ann Arbor, MI | December, 2012 |
| | <ul style="list-style-type: none">• Master in Electrical Engineering: System• GPA: 3.76/4.0 | |
| | Tsinghua University – Beijing, China | July, 2011 |
| | <ul style="list-style-type: none">• Bachelor in Electrical Engineering• GPA: 3.5/4.0• Class Rank: Top 20% | |
| Experience | Google – Los Angeles, United States | May, 2012 – August, 2012 |
| | <i>Software Engineer Intern</i> | |
| | <ul style="list-style-type: none">• Worked in Apps Common Storage (Cosmo) team, which mainly provides storage services for Google Drive and other products as well• Designed and implemented an end-to-end solution for data retention and recovery with a six-layer infrastructure. Although Cosmo is migrating its storage backend, the implemented system is reliable both during and after the migration period• Designed and implemented a MapReduce purge system, which runs daily to purge expired backup data in order to keep compliant with Google's Wipeout policy. The system works on millions of users' data and is robust against different kinds of transient failures | |
| | Innovation Works – Beijing, China | July, 2010 – January, 2011 |
| | <i>Software Engineer Intern</i> | |
| | <ul style="list-style-type: none">• Collaborated in designing three LBS smartphone applications, one of which I was mainly responsible for hit 40,000 subscribers just within several months• Involved in Android development for the three applications, the frontend of one of which was totally implemented by myself.• Designed and implemented a log mechanism that collected users' behavior on the client side and analyzed them on the server | |
| | Hulu – Beijing, China | July, 2008 – January, 2009 |
| | <i>Software Engineer Intern</i> | |
| | <ul style="list-style-type: none">• Participated in developing an internal working platform that was responsible for automatically generating and allocating tasks• Implemented a web service with the function of analysis, classification of users' query terms, and getting statistics results concerning users' preferences | |
| Projects | Internet Voting Fraud | February, 2012 – March, 2012 |
| | <ul style="list-style-type: none">• Implemented a Man-in-the-browser attack against Helios (a Web-based voting system with advanced cryptographic security protection) with a malicious browser extension• Based on Firefox browser's extension vulnerability, I implemented an Adobe Acrobat/Reader's buffer overflow attack that can secretly install the malicious extension on voter's machine | |
| | Text Classification | March, 2010 – July, 2010 |
| | <ul style="list-style-type: none">• Participated in the SRT (Student Research Training) program of Tsinghua University. The program is mainly about Web data mining and my focus is on classification of large amount of Chinese text information from Internet• Studied and implemented a text classification system including words parsing (especially important for Chinese), feature selection and, compared and analyzed the results with different algorithms | |
| Computer Skills | Proficient in C++, Java, Python | |
| | Strong foundation of data structure, algorithm and software design Good understanding and interests in machine learning and information retrieval. | |
| | My GitHub Link: https://github.com/FindBoat | |