Rizhen Zhang

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Objective

I'm a first-year M.S. student and want to find a full time position after my graduation. I am interested in distributed system, network, operating system, web development and mobile development.

Education

Expected Jan. 2015	Master of Science in Computer Science , UC San Diego , GPA: 3.787 / 4
June 2013	Bachelor of Engineering in Software Engineering , Nanjing University , GPA: 89.6 / 100

Internship & Employment

June 2014 - Now **Internship at Google, Mountain View**
I was responsible for an internal Android app based on the new Android L SDK.

Nov 2013 - March 2013 **Part-time Job at San Diego SuperComputer Center, San Diego**
I was responsible for helping maintain a project called CIPRES Science Gateway. It enables researchers to analyze large phylogenetic trees on the supercomputer and take advantage of high performance computing.

Dec 2012 - June 2013 **Internship at Qiduo Tech Inc., Nanjing**
I was responsible for the Android clients of two products. I built them from scratch. One was a cloud notebook client and the other was a cloud task manager client.

July 2012 - Sep. 2012 **Summer Intern at eBay COE China, Shanghai**
I was responsible for the web application of a project, "Global View". And I also redesigned the web interface for the project. This project was for monitoring SLA tasks in eBay.

Projects

Since Aug. 2013 **SGit** **Available in Google Play Store and iTunes Store**
It is an unofficial Git client for Android. It now gets about **4.3** average rating and over **10000** total installs in Google Play Store. It can clone from remote repositories, check out branches, merge branches, make changes, push changes to remote and some traditional features of Git. It supports Http/Https/SSH protocol (except private key with passphrase). The iOS version also available on iTunes store now.

May 2014 - June 2014 **CatFs** **A course project**
It was a project of "Distributed Computing and Systems", a distributed filesystem with a single master like Google File System. It was a group project and I am responsible for the architecture and the detail implementation of our "DataServer" (like Chunk Server in GFS). It was implemented in Golang.

April 2014 – June 2014 **Dataflow Analysis Framework** **A course project**
It was a project of "Advanced Compilers", a data flow analysis framework based on LLVM. By the framework, we also implemented 4 simple data flow analysis, "Constant Propagation", "Pointer Analysis", "Available Expressions" and "Range Analysis".

Jan. 2014 - March 2014 **Linux Benchmark** **A course project**
It was a project of "Principles of Computer Operating Systems", which includes several benchmarks of Linux. We implemented the benchmarks about CPU, Memory, Network and Filesystem.

Oct. 2012 **MyLex** **A course project**
It was a project of "Compilers", a tiny lexical analyzer generator. And it was personal project and implemented in C++. It can parse a file with a specific format and generate a lexical analyzer for a language defined in the file.

Computer Skills

Programming Language
- Proficient in Python, Golang, Java, C/C++ and JavaScript
- Skilled in Objective-C, Haskell and some other popular languages

Operating System
- Proficient in Linux/Unix Programming and Android platform
- Skilled in iOS development
- Have some knowledge about Linux kernel programming

Others
- Proficient in web development and Git
- Experience with implementing distributed systems
- Familiar with Hadoop, Pig, HBase and Zookeeper
- Enter round 2 in Google Code Jam, 2013