

1315 Monroe St  
Santa Clara CA 95050  
<https://github.com/gongzitaotao>

# TAO LU

(414) 412-3832  
[gongzier@gmail.com](mailto:gongzier@gmail.com)  
<http://www.linkedin.com/pub/tao-lu/a7/33/964/>

## EDUCATION

<b>Master of Science in Computer Science</b>	3.4/4.0
University of Texas At Arlington, Arlington, TX	January 2013 - December 2014
<b>Bachelor of Science in Engineering</b>	
Huazhong Agriculture University, Wuhan, China	September 2007 – June 2011

## TECHNICAL HIGHLIGHT

**Programming Languages:** C++/C, Python, Java/ J2EE, PHP, Scala

**Big Data:** Hadoop, Maven, Pig

**Web Technologies:** JavaScript, HTML/CSS, Node.js, Ruby on Rails

**Mobile Platform:** Android, Amazon Web Services, Parse

**Software/Hardware:** MySQL, MongoDB, Hibernate, Eclipse, XCode, OpenGL, Git, Bash, Agile methodology

**Operating Systems:** Windows, Linux, Unix

## TECHNICAL EXPERIENCE & PROJECTS

<b>Define Individual Influence on Twitter</b> (Winter 2015)	Language/Platform: Java, R/Hadoop
<ul style="list-style-type: none"><li>Applied PeopleRank algorithm on Twitter and successfully calculated user influence in R on small data</li><li>Designed distributed MapReduce procedure and Hadoop running system architecture</li><li>Implemented distributed PeopleRank algorithm on Hadoop environment for large scale of data</li></ul>	
<b>Sales &amp; Share Android App</b> (September 2014, Side Project)	Language/Platform: Android/Mobile
<ul style="list-style-type: none"><li>Adapted Supermarket API to query real-time grocery price and set up web server using Parse service</li><li>Applied GPS sensor to enable location service and provided turn-by-turn Google map navigation</li><li>Deployed barcode scan functionality which allowed searching price by scanning product barcode</li></ul>	

## COURSE PROJECTS

<b>Hospital Home Care Website</b> (Spring 2014, Individual Project)	Language: Ruby, CSS, JavaScript/MySQL
<ul style="list-style-type: none"><li>Implemented web based inquiry system to display database record using Ruby on Rails</li><li>Designed nurse visiting schedule and patient medical record database and implemented it by MySQL</li><li>Utilized Rails framework's MVC structure and incorporated Ruby and JavaScript, CSS for front end</li></ul>	
<b>Thesaurus GUI Client &amp; Server</b> (Fall 2013, Individual Project)	Language/Platform: Java/Windows
<ul style="list-style-type: none"><li>Developed Thesaurus Searching System with Client-Server model and GUI interface</li><li>Implemented Socket communication protocol to communicate between server and client</li><li>Designed a multi-threaded server which supports simultaneous access from multiple clients</li></ul>	
<b>System Shell Utility</b> (Spring 2013, Individual Project)	Language/Platform: C/Linux
<ul style="list-style-type: none"><li>Implemented menu oriented shell allowed users to choose file/directory from menu, instead of manually typing file/directory instructions</li><li>Applied system call to support low level text editor and calculator functionality</li></ul>	

## PROFESSIONAL EXPERIENCE

<b>Associate Data Analyst</b>	<b>Morningstar, Inc. Shenzhen, China</b>	<b>April 2012 - July 2012</b>
<ul style="list-style-type: none"><li>Developed a crawler tool to automatically catch published fund data from portfolio, leading to 30% improvement on work efficiency</li><li>Maintained New Fund database for UK market, successfully decreased data error rate to 0.1%, resulting in 15% database accuracy enhancement and 10% cut on complain calls</li><li>Redesigned New Fund database UI, which enhanced usability when inputting and updating raw data</li></ul>		