

## Technical Skills

*Languages:* Python, JavaScript, Java, HTML, CSS, Shell, C/C++.  
*Frameworks/Libraries:* jQuery, React.js, Angular.js, Bootstrap, Django, NodeJS.  
*Other:* Git, Grunt/Gulp, MongoDB, PostgreSQL, Selenium, Sphinx, Linux.

## Education

<b>Udacity</b> - Full-Stack Developer Nanodegree	<i>In progress</i>
<b>University of California, Los Angeles</b> - Master of Science in Electrical Engineering	<i>Apr 2014</i>
<b>Zhejiang University (CHN)</b> - Bachelor in Electrical Engineering	<i>Jun 2012</i>

## Project Experience

<b>Swiss System Tournament Database</b> - <a href="#">Tournament Database</a> <i>Database created with PostgreSQL and python adapter Psycpg2</i>	<i>May 2015 - Jun 2015</i>
<ul style="list-style-type: none"><li>Configured Vagrant virtual machine to create configure and portable work environment</li><li>Created players and matches tables and virtual tables(views) with SQL Statements</li><li>Developed Python Module APIs backed by database with Psycpg2 module</li></ul>	
<b>Auto Torrent Crawler</b> - <a href="#">Auto Torrent Crawler</a> <i>A crawler that automatically gets torrents from kickass.io and start uTorrent to download them</i>	<i>Sep 2014 - Nov 2014</i>
<ul style="list-style-type: none"><li>Defined items, wrote crawler with Python Scrapy Framework and parsed content with XPath</li><li>Parsed HTML Document to get torrent URL, Curl torrent and start uTorrent with BTC ( BitTorrent Remote Control )</li></ul>	
<b>Android Bluetooth Realtime Plotting App</b> - <a href="#">Android Bluetooth App</a> <i>Android app receives data from mbed through bluetooth and plot realtime data</i>	<i>Mar 2013 - Jun 2013</i>
<ul style="list-style-type: none"><li>Implemented Android Bluetooth API to connect with Mbed, transfered data between through BluetoothSocket</li><li>Used fragments to build multi-pane UI, plotted realtime line chart with "achartengine" library</li></ul>	
<b>Personal Websites</b> - <a href="http://xiangli.me">xiangli.me</a> - <a href="#">github pages</a> <i>Personal website built with Bootstrap, Responsive design hosted on bluehost and github pages</i>	<i>Apr 2014 - Present</i>
<ul style="list-style-type: none"><li>Implemented Responsive Design with Bootstrap, Built static Github pages with Jekyll</li><li>Tracked website traffic with Google Analytics, Improved SEO grade with SiteAnalyzer</li></ul>	
<b>Wireless Oxygenation Monitor System</b> - <a href="#">Wireless Embedded Project</a> <i>Embedded system consists of Sensor, Mbed and Android phone to detect patient's oxygenation level.</i>	<i>Jan 2013 - May 2013</i>
<ul style="list-style-type: none"><li>Processed raw data to get status of patient and gave advice for doctor and patient. (C, Java)</li><li>Developed signal processing C code on Mbed. Created test filter and plotting code in Matlab. (Matlab)</li></ul>	
<b>Website Optimization</b> <i>Website optimization with PageSpeed tool and GTmetrix</i>	<i>Jan 2014 - May 2014</i>
<ul style="list-style-type: none"><li>Optimize critical rendering path of existing website and use CDN for public libraries like jQuery</li><li>Minify CSS, Javascript, HTML files to improve page loading speed</li></ul>	

## Work Experience

<b>Silvus Technologies</b> - Software Engineer <i>Maintain webinterface functionalities, Develop backend APIs, Create auto tests</i>	Los Angeles, CA   <i>May 2014 - Present</i>
<ul style="list-style-type: none"><li>Reduced page loading time by 80% by replacing CGI script with pure HTML and Javascript(React.js)</li><li>Move CGI form submission to AJAX technology by implementing JSONRpc client and server</li><li>Remove web page memory leak by removing uncollected Javascript objects(reduced CPU usage by 70%)</li></ul>	
<b>Silvus Technologies</b> - Software Engineer Intern	Los Angeles, CA   <i>Jun 2013 - Dec 2013</i>
<ul style="list-style-type: none"><li>Implement realtime position updating features with open resources(Openstreet Map, Google Map Api, Openlayers)</li><li>Built Auto web test framework for web interface with Selenium(Selenium webdriver)</li></ul>	