

## Technical Skills

*Languages:* Python, JavaScript, Java, HTML, CSS, Shell, C/C++.

*Frameworks/Libraries:* jQuery, React.js, Angular.js, Bootstrap, Flask, Django, NodeJS.

*Other:* Git, Grunt/Gulp, MongoDB, PostgreSQL, SQLAlchemy, Selenium, Sphinx, Linux.

## Education

**University of California, Los Angeles** - Master of Science in Electrical Engineering

Jun 2014

**Zhejiang University (CHN)** - Bachelor in Electrical Engineering

Jun 2012

## Project Experience

### Micro Twitter Flask App - [micro-twitter](#) - [app demo](#)

Sep 2015 - Nov 2015

A twitter like application that allow user login with OAuth, post blogs and follow other users

- Implemented user login function with OAuth for facebook and twitter using rauth library
- Created news feed, user profile, and user list page and implemented follow/unfollow function
- Internationalization and Localization with flask-babel and momentjs, integrated microsoft translate api

### Auto Torrent Crawler - [Auto Torrent Crawler](#)

Sep 2014 - Nov 2014

A crawler that automatically gets torrents from kickass.io and start uTorrent to download them

- Defined items, wrote crawler with Python Scrapy Framework and parsed content with XPath
- Parsed HTML Document to get torrent URL, retrieved torrent with curl and automated uTorrent with BTC ( BitTorrent Remote Control )

### Personal Websites - [xiangli.me](http://xiangli.me) - [github pages](#)

Apr 2014 - Present

Personal website built with Bootstrap, Responsive design hosted on bluehost and github pages

- Implemented Responsive Design with Bootstrap, Built static Github pages with Jekyll
- Tracked website traffic with Google Analytics, Improved SEO grade with SiteAnalyzer

### Website Optimization

Jan 2014 - May 2014

Website optimization with PageSpeed tool and GTmetrix

- Optimized critical rendering path of existing website and integrated CDN for public libraries like jQuery
- Minified CSS, Javascript, HTML files to improve page loading speed

### Android Bluetooth Realtime Plotting App - [Android Bluetooth App](#)

Mar 2013 - Jun 2013

Android app receives data from mbed through bluetooth and plot realtime data

- Implemented Android Bluetooth API to connect with Mbed, transfered data between through BluetoothSocket
- Used fragments to build multi-pane UI, plotted realtime line chart with "achartengine" library

### Wireless Oxygenation Monitor System - [Wireless Embedded Project](#)

Jan 2013 - May 2013

Embedded system consists of Sensor, Mbed and Android phone to detect patients' oxygenation level.

- Processed raw data to get status of patient and gave advice for doctor and patient. (C, Java)
- Developed signal processing C code on Mbed. Created testing filter and plotting code in Matlab. (Matlab)

## Work Experience

### Silvus Technologies - Software Engineer

Los Angeles, CA | May 2014 - Present

Maintain user interface functionalities, Develop backend APIs, Create auto tests

- Created network topology with jit.js library and implemented interactive features with jQuery
- Reduced page loading time by 80% by replacing CGI script with frontend framework(React.js)
- Implemented AJAX technology with JSON-RPC Javascript client and backend server
- Removed web page memory leak by removing uncollected Javascript objects(reduced CPU usage by 70%)

### Silvus Technologies - Software Engineer Intern

Los Angeles, CA | Jun 2013 - Dec 2013

- Implement realtime position map features with open resources(Openstreet Map, Google Map, Openlayers)
- Built Auto web test framework for web interface with Selenium(Selenium webdriver)