

# Shouda Wang

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[www.shoudaw.com](http://www.shoudaw.com)

## EDUCATION

**New York University**, New York, NY

Sep. 2012-May. 2014

M.S. Candidate in Computer Science (GPA: 3.7/ 4.0)

**Hebei University of Technology**, Tianjin, China

Sep. 2008- Jul. 2012

B.S. in Computer Science (GPA: 3.5/ 4.0)

## TECHNICAL SKILLS

**Programming languages:** Python, Java, JavaScript, C++, C#, Shell script, PHP, MATLAB

**Database Development:** MySQL, MongoDB

**Frameworks and Platforms:** Django, Node.js, jQuery, Bootstrap, CakePHP, Struts2, ASP.NET, mrjob, Hadoop

**Tools and Services:** Vim, Git, Subversion, AWS, Vagrant, Selenium, Apache, Nginx, Celery, Ant, JUnit

## PROFESSIONAL EXPERIENCE

**Street of Walls Inc. New York, NY**

Feb. 2013– Present

*Full-Stack Developer Intern*

- ♦ Email and CRM system for sales management.
  - A CRM (Customer Relationship Management) system.
  - Integrate seamless with Gmail and Google App.
  - Email tracking and analysis report.
  - Used Django, Celery and Bootstrap.
- ♦ Job application handler.
  - A Java daemon as backend which monitors multiple email accounts. A Django web app as a frontend control panel.
  - Parse incoming emails and resumes and extract contact and job information.
  - The Java daemon replies applicants based on the job they applied to and their contact information using preset email templates.
- ♦ Web Crawler.
  - Fetch job information from employment-related search engines using Scrapy and Python
  - Convert data to JSON and import to Street of Walls' server.
- ♦ Independently built these 3 tools and deployed them. My system presently used by the sales team as a critical part of their workflow.

## CERTIFICATION

**RHCSA (Red Hat Certified System Administrator)**

- ♦ Id: [130-224-140](http://www.redhat.com/certification/130-224-140)

**RHCE (Red Hat Certified Engineer)**

- ♦ Id: [130-224-140](http://www.redhat.com/certification/130-224-140)

## ACADEMIC PROJECTS

**Yet another File System (YFS)**

Sep, 2013

- ♦ YFS is a distributed file system building on FUSE modeling the architecture of Frangipani using C++
- ♦ Implemented file operations such as create, lookup, readdir, setattr, write, read, mkdir and unlink.
- ♦ Built lock server and extent server. Implemented caching for both lock and extent client.
- ♦ Implemented fault tolerant using Paxos.

**GeoPort (<http://geoport.co/>)**

May, 2013

- ♦ Built a social networking site where users can geo-find events, groups and other users.
- ♦ Utilized APIs of Meetup, Google Maps and Google Geocoding. Implemented the website with Django, MongoDB and Bootstrap.
- ♦ Created an Android client.

**Twitter Trends**

May, 2013

- ♦ Collect Twitter data and store it on Amazon S3 using boto and Python.
- ♦ Design and implement a Map/Reduce algorithm with mrjob. Deployed on Amazon EMR.
- ♦ Generate tags cloud to visualize the output data.

**Monitoring and Analysis System for Renewable Energy**

Jun, 2012

- ♦ A real-time data analysis system written in C# and MATLAB.
- ♦ Created time series analysis and neural network algorithm in MATLAB.
- ♦ Integrate MATLAB code with ASP.NET web app.