# Shouda Wang

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## 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, MATLAB |
| **Database Development:** | MySQL, MongoDB |
| **Frameworks and Platforms:** | Django, Node.js, jQuery, Bootstrap, 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

**RHCE (Red Hat Certified Engineer)**
- Id: 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**

*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.