

# Shichao An

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## EDUCATION

- **New York University** 09/2012 – 05/2014 (exp.)  
Courant Institute of Mathematical Sciences  
M.S. Candidate in Computer Science
  - **Relevant Courses:** Programming Languages, Fundamental Algorithms, Operating Systems, Database Systems, Cloud Computing, Open Source Tools, Multicore Processors
  - **Current GPA:** 3.8/4.0
- **University of Science and Technology Beijing** (Beijing, China) 09/2008 – 06/2012  
School of Computer and Communication Engineering  
B.S. in Computer Science
  - **Major GPA:** 3.6/4.0

## PROJECTS

- **GeoPort** ([geoport.co](http://geoport.co)) 11/2013 – present
  - Built a geo-social platform that facilitates event-based real-time location sharing
  - Utilized APIs of Google Maps and Google Geocoding and implemented the website with Django, MongoDB and Bootstrap
- **SoundMeter** 12/2013 – 01/2014
  - Implemented a command-line tool to obtain sound power in real time, which turns the audio recording functionality into a sound level meter for machines that ship with audio input devices
- **Python and Parallel Programming** 10/2013 – 12/2013
  - Compared and analyzed parallelism in CPU-bound, I/O-bound and memory-bound applications implemented with `threading`, `multiprocessing` of the standard library, and OpenMP/Cython

## EXPERIENCE

- **SIGNAL** (New York) 06/2013 – 08/2013  
Software Development Intern
  - Developed site backends, reusable applications and front-end features, including authentication, content management, activity stream, news processing, security and SEO
  - Used Django, MySQL, MongoDB, Redis, Celery and Node.js for the backend implementation of major site functionalities and real-time data aggregation
- **iBeiKe.com** (Beijing, China) 07/2010 – 06/2012  
System Administrator (Department of Network)
  - Deployed upgrades, extensions and maintenance scripts for Web applications
  - Automated the formatting and uploads of mass text and captured news from official sources to the MediaWiki-based subsite, iBeiKe Wiki, through API with Python and Pywikibot

## SKILLS

### Programming Languages:

Proficient: Python, C, shell scripting

Intermediate: JavaScript, Java, PHP, Perl

**Software and Tools:** Git,  $\LaTeX$ , Vim, KVM, Puppet, Selenium, Amazon Web Services, WordPress

**Web Development:** HTML5, Django, Node.js, jQuery

**Databases:** MySQL, Oracle, MongoDB

**Operating Systems:** Linux (Fedora/RHEL/Ubuntu), OS X

## CERTIFICATIONS

- **Red Hat Certified System Administrator** (140-025-057)
- **Red Hat Certified Engineer** (140-025-057)