

# Shichao An

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## Education

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### New York University

*M.S. in Computer Science, GPA: 3.8/4.0*

**Relevant Courses:** Programming Languages, Fundamental Algorithms, Operating Systems, Database Systems, Cloud Computing, Data Communication and Networks, Multicore Processors

**New York, NY**

*Sep 2012 – May 2014*

### University of Science and Technology Beijing

*B.S. in Computer Science*

**Beijing, China**

*Sep 2008 – Jun 2012*

## Projects

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### Momo

*Tiny CLI file manager*

<https://github.com/shichao-an/momo>

Targets at organizing and tagging distributed files.

**Python**

### SoundMeter

*Command-line sound level meter*

<https://github.com/shichao-an/soundmeter>

Supports obtaining sound level in real time and event triggering.

**Python**

### Python and Parallel Programming

*Multicore Processors course project*

Parallelizes programs with *threading* and *multiprocessing* from standard library and OpenMP with Cython.

**Python**

## Experience

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### Uber

*Site Reliability Engineer*

- Work on Uber's stream processing platform based on Apache Kafka.
- Performing capacity planning, configuration management, performance tuning and monitoring.
- Participate in an oncall rotation and be available for escalations.

**San Francisco, CA**

*Nov 2015 – present*

### Fuhu

*System Administrator*

- Utilized SaltStack to manage AWS infrastructure and application environment.
- Built Docker images and Debian packages for applications.
- Managed continuous integration with Jenkins.
- Set up a directory service with OpenLDAP and administered the VPN.

**San Jose, CA**

*Aug 2014 – Nov 2015*

### SIGNL

*Software Development Intern*

- Developed backend applications using Django.
- Focused on implementing authentication, content management, request security, and feed systems.

**New York, NY**

*Jun 2013 – Aug 2013*

## Skills

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**Programming Languages:** Python, C, Go, Ruby, Bash

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

## Certifications

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**Red Hat Certified Engineer:** 140-025-057