

Shichao An

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EDUCATION

- **New York University** 09/2012 – 05/2014
M.S. Candidate 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
- **University of Science and Technology Beijing** (Beijing, China) 09/2008 – 06/2012
B.S. in Computer Science, GPA: 3.6/4.0

PROJECTS

- **115 Wangpan**, Web Service SDK
 - Created a Python wrapper SDK for 115.com cloud drive over non-RESTful web request endpoints
 - Implemented programmable interface for authentication, cookies, tasks management and file storage
- **uhuf**, GitLab API tool
 - Built a CLI tool in Bash to get files from the GitLab repository using API, with completion support
- **GeoPort**, Geo-Social Platform
 - Designed overall architecture, wrote backend apps with Django, MongoDB and MongoEngine
 - Implemented on-map real-time location sharing with Google Maps API in JavaScript
- **SoundMeter**, Simple Command-Line Sound Level Meter
 - Built a command-line tool that obtains real-time sound level and supports event triggering
- **Python and Parallel Programming**, Multicore Processors Course Project
 - Experimented writing and profiling parallelized programs with *threading*, *multiprocessing* modules of the standard library and OpenMP in Cython
 - Researched different kinds of parallelisms and compared their performance and development efficiency

EXPERIENCE

- **Fuhu** (San Jose, CA) 08/2014 – present
System Administrator
 - Provisioned and managed cloud services with AWS for applications, databases and proxies
 - Scaled applications to containers and instances within Amazon Virtual Private Cloud and facilitated load balancing and high availability
 - Managed server configurations with SaltStack and setup a Debian package repository to host packages
 - Containerized applications with Docker and managed release and continuous integration with Jenkins CI
 - Setup and administered network services (OpenLDAP and VPN)
- **SIGNL** (New York, NY) 06/2013 – 08/2013
Software Development Intern
 - Developed authentication, content management, request security, and feed systems using Django
 - Designed and implemented the activity stream system that records page views and follows
 - Created a news processing component that highlights keywords
 - Wrote an adaptive web crawler that scrapes social accounts and mobile app identifiers

SKILLS

- **Operating Systems:** Linux (Ubuntu, Fedora, and RHEL), OS X
- **Programming Languages:** Python, C, Go, Ruby, Bash
- **Software and Technologies:** Vim, Git, Django, MySQL, SaltStack, Docker, Amazon Web Services

CERTIFICATIONS

- **Red Hat Certified Engineer** (RHCE) ID: 140-025-057
- **SaltStack Certified Engineer** (SSCE) SSC ID: 0xDB0F0DBD