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 *09/2014 – present*
  - 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 *03/2015 – present*
  - Built a CLI tool in Bash to get files from the GitLab repository using API, with completion support
- **GeoPort**, Geo-Social Platform *11/2013 – present*
  - 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 *12/2013 – 01/2014*
  - Built a command-line tool that obtains real-time sound level and supports event triggering
- **Python and Parallel Programming**, Multicore Processors Course Project *10/2013 – 12/2013*
  - 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 scraps 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