

# Gefei Zuo

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3rd year Undergraduate student

Electronic Edition can be found at <https://github.com/Alkaid-Benetnash/CV>

## Education

University of Science and Technology of China

HEFEI, ANHUI, CHINA

**B.S. in Computer Science (School of Gifted Young)**

Sept. '2014 – present

- GPA 3.71/4.30
- Participate in the Talent Program in Computer and Information Science and Technology

Sept. '2014 – Jul. '2015 + Sept. '2016 – present

### Awards

- Outstanding Student Scholarship (Grade 2) in Sophomore Year
- Outstanding Student Scholarship (Grade 3) in Junior Year
- Special Freshman Scholarship
- Outstanding Freshman Scholarship (Grade 3)

## Work Experience

USTC Freeshell

UNIV. OF SCIENCE AND TECH. OF CHINA

**Maintainer**

Sept. '14 – June '15

- Container-based IaaS service based on OpenVZ virtualization, supporting various Linux distributions.
- Reconstruct previous version with ceph and openstack working in progress

USTC Opensource Mirrors

UNIV. OF SCIENCE AND TECH. OF CHINA

**Maintainer**

Jul. '15 – present

- One of the biggest opensource mirror in China, Official mirror site of Debian in China
- More than 6TB traffic per day, Hundreds of http connection per second, with merely one outdated machine
- Test and deploy several kinds of block cache, finally improve the disk IO capability more than twice
- Deal with many kinds of performance or software/hardware issues

Soft Robot Lab, instructed by **Xiaoping Chen**

UNIV. OF SCIENCE AND TECH. OF CHINA

**Participant**

Sept. '2016 – present

- Build soft manipulator based on Honeycomb Pneumatic Networks
- Using Neutral Network to control this soft manipulator, coding in Matlab

Distributed File Storage

UNIV. OF SCIENCE AND TECH. OF CHINA

**Team project of Principles and Design of Operating Systems**

Mar. '16 – June '16

- Implement git-like(content hash as index) file/directory indexing API for web interface(implemented by others)
- Design and Implement synchronize operation based on concept of blockchain

## Extracurricular Activities

**President, Linux User Group, USTC**

May. '2016 – present

**Vice President, Linux User Group, USTC**

May. '2015 – May. '2016

**Vice Minister, Technology team, Student Union, School of Gifted Young**

Sept. '2015 – May. '2016

## Skills

**Programming:** C, Python, Verilog, Bash.

**Linux:** Network management, Server operations and monitoring, Build ceph(distributed storage) cluster.

**Gitlab:** <https://git.ustclug.org/Alkaid>

**Github:** <https://github.com/Alkaid-Benetnash>