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Room 212, Building 321, East Campus, USTC

3rd year undergraduate student

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## Education

University of Science and Technology of China

HEFEI, ANHUI, CHINA

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

Sept.'2014 – present

- GPA 3.75/4.30
- Enrolled in the Talent Program in Computer and Information Science and Technology

### 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)

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## Research Experience

System Group

MICROSOFT RESEARCH ASIA

Intern

Jul.'2017 – present

Research in Data Center Networking, Distributed Systems

Soft Robot Lab, instructed by Xiaoping Chen

UNIV. OF SCIENCE AND TECH. OF CHINA

Motion Planning for Soft Multi-Segment Manipulators in 3D Environment

Dec.'2016 – Mar.'2017

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## Work Experience

USTC Freeshell

UNIV. OF SCIENCE AND TECH. OF CHINA

Maintainer

Sept.'2014 – Jun.'2015

- 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.'2015 – present

- One of the biggest opensource mirror in China.
- 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

Distributed File Storage

UNIV. OF SCIENCE AND TECH. OF CHINA

Team project of Principles and Design of Operating Systems

Mar.'2016 – Jun.'2016

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

Pipeline MIPS CPU on FPGA

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Course project of Computer Organization

May.'2016

- Implemented in Verilog, 5 stage pipeline, 40 instructions, exception support.

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## Extracurricular Activities

President, Linux User Group, USTC

May.'2016 – June.'2017

Vice President, Linux User Group, USTC

May.'2015 – May.'2016

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

Sept.'2015 – May.'2016

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## Skills

**Programming:** C/C++, Python, Matlab, Bash, Verilog

**Linux:** Network management, Server maintaining

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