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## Education

University of Michigan

Sept. 2018 – present

Ph.D. student in Computer Science and Engineering, advised by Prof. **Baris Kasikci**

University of Science and Technology of China (USTC)

Sept. 2014 – June. 2018

B.E. in Computer Science, in the Special Class for the Gifted Young (SCGY)

- Cumulative GPA 3.75/4.30, Rank 15/140
  - Enrolled in the Talent Program in Computer and Information Science and Technology
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## Research Experience

System Group Intern, instructed by **Lintao Zhang**

MICROSOFT RESEARCH ASIA

**Efficient and Scalable Total-Order Message Scattering in Datacenter Network**[1] Jul. 2017 – Oct. 2017

- Offload reordering and buffering to endhost: separate control plane from data plane.
- Readily deployable: programmable switches, commodity switches, endhosts only.
- Accelerate distributed transactional processing by 10X with little overhead.

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

UNIV. OF SCIENCE AND TECH. OF CHINA

**Whole manipulator control in constrained environments**[??]

Dec. 2016 – Mar. 2017

- Extend traditional Jacobians method with new constraints, take obstacle's information into account.
  - Enable our softrobot work in environments with obstacles.
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## Publications

[1] **Efficient and Scalable Total-Order Message Scattering in Datacenter Network***Bojie Li, Gefei Zuo, Wei Bai, Enhong Chen, Lintao Zhang*

In submission

[2] **Whole manipulator control in constrained environments***Dengyuan Wang, Xiaotong Chen, Gefei Zuo, Xinghua Liu, Zhanchi Wang, Hao Jiang and Xiaoping Chen*Published on RiTA 2017

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## Project Experience

USTC Freeshell

UNIV. OF SCIENCE AND TECH. OF CHINA

**Maintainer**

Sept. 2014 – Jul. 2017

- An IaaS service for students to learn and use Linux, supporting various Linux distributions.
- Utilize OS level virtualization (OpenVZ), distributed storage (Ceph), dynamic routing (RIP).

USTC Open Source Software Mirror

UNIV. OF SCIENCE AND TECH. OF CHINA

**Maintainer**

Jul. 2015 – Mar. 2017

- It is one of the largest open-source software mirrors in China.
- It hosts 25 TiB+ content and generates 10 TiB+ network traffic per day.
- 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 frontend.
  - Design and Implement synchronize operation based on concept of blockchain.
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## Honors and Awards

SOSP'17 Student Research Competition (Undergraduate Category), the Second Place

Oct. 2017

USTC Outstanding Student Scholarship (Grade 2)

2016, 2017

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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, SCGY

Sept. 2015 – May. 2016

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## Skills

**Programming:** C/C++, Python, Matlab, Bash, Verilog**Linux:** Network management, Server maintenance**Github:** <https://github.com/Alkaid-Benetnash>