

# Gaoxiong Zeng

## Contact Information

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Hong Kong University of Science and Technology

Clear Water Bay, Hong Kong, China

## Education

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**Hong Kong University of Science and Technology (HKUST)**

*Ph.D. in Computer Science and Engineering*

Advisor: Prof. Kai Chen

**Hong Kong, China**

*Aug. 2015 - Present*

**University of Science and Technology of China (USTC)**

*B.E. in Electronic Engineering and Information Science*

Thesis Advisor: Prof. Zuqing Zhu

**Hefei, China**

*Sept. 2011 - June 2015*

## Research Interest

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Computer Systems and Networks (with particular interest in data center networking).

## Publications

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### Conference Publications:

- **Congestion Control for Cross-Datacenter Networks**

Gaoxiong Zeng, Wei Bai, Ge Chen, Kai Chen, Dongsu Han, Yibo Zhu, Lei Cui

The 27th IEEE International Conference on Network Protocols (ICNP), 2019.

### Journal Publications:

- **Data Center Flow Scheduling / 数据中心的流量调度方法**

Wei Bai, Shuihai Hu, Gaoxiong Zeng, Kai Chen

Communications of the China Computer Federation (CCCF), 2019.

### Workshop Publications:

- **Rethinking Transport Layer Design for Distributed Machine Learning**

Jiacheng Xia, Gaoxiong Zeng, Junxue Zhang, Weiyan Wang, Wei Bai, Junchen Jiang, Kai Chen

The 3rd ACM Asia-Pacific Workshop on Networking (APNet), 2019.

- **Combining ECN and RTT for Datacenter Transport**

Gaoxiong Zeng, Wei Bai, Ge Chen, Kai Chen, Dongsu Han, Yibo Zhu

The 1st ACM Asia-Pacific Workshop on Networking (APNet), 2017.

### Poster:

- **Improved Path Compression for Explicit Path Control in Production Data Centers**

Shuihai Hu, Kai Chen, Gaoxiong Zeng

The 13th USENIX Symposium on Networked Systems Design and Implementation (NSDI), 2016.

## Experience

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**Peng Cheng Laboratory**

*Research Intern.* Worked with Prof. Kai Chen.

**Shenzhen, China**

*Sept. 2019 - Present*

**Hong Kong University of Science and Technology**

*Research and Teaching Assistant.* Worked with Prof. Kai Chen, Dr. Cindy Li, etc.

**Hong Kong, China**

*Aug. 2015 - Present*

**Institute of Computing Technology, Chinese Academy of Sciences**

*Research Intern.* Worked with Prof. Yujun Zhang.

**Beijing, China**

*July 2014 - Aug. 2014*

## **Honors & Awards**

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[HKUST] **Research Postgraduate Scholarship**

*2015, 2016, 2017, 2018, 2019*

[USTC] **Graduation Award of The Talent Program in Computer & Information Sci. & Tech.**

*2015*

[USTC] **Outstanding Student Scholarship**

*2012, 2013, 2014*

[Department of Education, Guangdong] **Provincial Soong Ching Ling Scholarship**

*2010*