

Gaoxiong Zeng

Contact Information

Email: gaoxiongzeng@qq.com

Telephone: +852-68713173

Webpage: <http://gaoxiongzeng.github.io>

Room 3661 (Lift 31/32), Academic Building

Hong Kong University of Science and Technology

Clear Water Bay, Hong Kong, China

Education

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

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

Publications

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.

Internship Experiences

Institute of Computing Technology, Chinese Academy of Sciences (ICT-CAS)

Research Intern @ Network Technology Research Center. Worked with Prof. Yujun Zhang.

Beijing, China

July 2014 - Aug. 2014

Teaching Experiences

Teaching Assistant - HKUST COMP 2611: Computer Organization.

2016 Spring, 2016 Fall, 2017 Spring

Honors & Awards

[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

Professional Skills

Programming: C/C++, Python.

Miscellaneous: Linux kernel TCP, NS2 simulation, etc.