Gaoxiong Zeng

Contact Information

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Hong Kong University of Science and Technology

Clear Water Bay, Hong Kong, China

Education

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

Ph.D. in Computer Science and Engineering   *Aug. 2015 - Present*

Advisor: Prof. Kai Chen

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

B.E. in Electronic Engineering and Information Science   *Sept. 2011 - June 2015*

Thesis Advisor: Prof. Zuqing Zhu

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)   **Beijing, China**

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