

# Qiang Su

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📄 <https://qiangsu97.github.io/>

## Education

9/19 – Now **City University of Hong Kong**, Kowloon, Hong Kong SAR  
Ph.D., Computer Science  
Advisor: *Prof. Chun Jason Xue & Prof. Hong Xu*  
GPA: 4.15/4.30

9/14 – 6/18 **Northeastern University**, Shenyang, China  
B.Eng., Computer Science and Technology  
GPA: 4.1146/5.0, Rank: 6/256

## Work Experience

4/23 – Now **Boston University**, *Visiting Researcher*, Boston, USA.  
Project: Research on SmartNIC and eBPF-based offloading.  
Advisor: *Prof. Zaoxing Liu*

1/22 – 6/22 **Microsoft Research Asia**, *Research Intern*, Beijing, China.  
Project: Research on SmartNIC as a service.  
Advisor: *Dr. Zhixiong Niu & Dr. Yongqiang Xiong*

10/18 – 8/19 **City University of Hong Kong**, *Research Assistant*, Hong Kong SAR, China.  
Project: Research on big data analytics and datacenter networking.  
Advisor: *Prof. Hong Xu*

## Publications

In Submission **Qiang Su**, Shaofeng Wu, Zhixiong Niu, Ran Shu, Peng Cheng, Yongqiang Xiong, Chun Jason Xue, Hong Xu. SmartNIC as a Service in the Cloud.

CoNEXT 2022 **Qiang Su**, Chuanwen Wang, Zhixiong Niu, Ran Shu, Peng Cheng, Yongqiang Xiong, Dongsu Han, Chun Jason Xue, Hong Xu. PipeDevice: A Hardware-Software Co-Design Approach to Intra-Host Container Communication. ACM CoNEXT, 2022.

- SIGCOMM 2022 Demos and Posters **Qiang Su**, Chuanwen Wang, Zhixiong Niu, Ran Shu, Peng Cheng, Yongqiang Xiong, Dongsu Han, Chun Jason Xue, Hong Xu. PipeDevice: A Hardware-Software Co-Design Approach to Intra-Host Container Communication. ACM SIGCOMM Demos and Posters, 2022.
- ToN 2021 Zhixiong Niu, **Qiang Su**, Peng Cheng, Yongqiang Xiong, Dongsu Han, Keith Winstein, Chun Jason Xue, Hong Xu. NetKernel: Making Network Stack Part of the Virtualized Infrastructure. IEEE/ACM Transactions on Networking, 2021.
- ATC 2020 Zhixiong Niu, Hong Xu, Peng Cheng, **Qiang Su**, Yongqiang Xiong, Tao Wang, Dongsu Han, Keith Winstein. NetKernel: Making Network Stack Part of the Virtualized Infrastructure. Proceedings of the USENIX Annual Technical Conference, 2020. (AR: 65/348 = 18.6%)

## Honor and Award

- 2019 - 2023 Postgraduates Studentship in City University of Hong Kong.  
Second-Class Scholarship of NEU (top 5%)  
Excellent Student Leader in NEU  
Second-Class Scholarship of NEU (top 5%)  
Honorable Mention of Interdisciplinary Contest in Modeling(ICM) for international college students  
Excellent Student in NEU
- 2014 - 2015 “Zhong Tian Gang Tie” Educational Scholarship (top 1%)  
First-Class Scholarship of NEU (top 1%)  
Pacesetter of Excellent Student in NEU

## Teaching

- Fall 2022 CS5222 Computer Networks & Internets  
Fall 2021 CS5222 Computer Networks & Internets  
Spring 2021 CS3402 Database Systems  
Fall 2020 CS1102 Introduction to Computer Studies  
Fall 2019 CS2311 Computer Programming

## Services

- AEC for 2022: OSDI, ATC, CoNEXT

## Skills

- Programing Language C, Python, Linux Kernel Programming, Docker, PyTorch  
Chinese (native), and English (fluent)