Xuanlong Qin

Keep Calm and Carry On
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EDUCATION

Peking University, Beijing, China

- School of Electronic and Computer Engineering
- M.Sc. in Computer Science,Candidate — Sep 2015 – Jul 2018
  - GPA: 87.13 / 100
  - Adviser: Dr. Li
  - Focus: Datacenter, VM migration, flow scheduling , congestion control ,etc.

National Tsing Hua University, Hsin-chu, Taiwan

- Computer Science and Information Engineering
- Non-degree in Computer Science (Exchange Student) — Apr 2017 – Oct 2017
  - Adviser: Dr. Huang
  - Focus: SDN, flow scheduling, openflow, etc.

China University of Mining and Technology, Xuzhou, Jiangsu, China

- School of Information and Electrical and Engineering
- B.E. in Electronic Enginnering — Sep 2011 – Jul 2015
  - Rank: 7 / 150
  - Cumulative GPA: 81 / 100

PUBLICATIONS

JOURNALS

[1] X. Qin, D. Li, " High Speed Data Transport Technology for Datacenter Networks," *Computer engineering and Software*, vol. 37, no. 9, pp. 1–8, Sep 2016.

CONFERENCES

[1] X. Qin, D. li, "High Speed Data Transport Technology for Datacenter Networks," in *NCCA 2016*, Tangshan, Hebei, China, Apr 2016.

[2] X. Qin, D. Li, C. Chen, and N. Huang " Early Notification and Dynamic Routing: An Improved SDN-based Optimization Mechanism for VM Migration," in *CollaborateCom 2017*, Edingurgh, UK, Dec 2017.

AWARDS & SCHOLARSHIPS

- Admission scholarships,Peking university — 2015 – 2018
- Individual scholarships, China University of Mining and Technology — Sep 2014
- The third scholarships, China University of Mining and Technology — Sep 2013
- The Second Prize of Physics Olympic — Dec 2009

PROFESSIONAL AFFILIATIONS & ACTIVITIES

Cross Platform Application System
Shenzhen, China

- Team Member — Apr 2015 – Jun 2015
  - Research for cross-platform technology
  - Based on HTML5 framework.

Congestion Control for Large-Scale RDMA Deployment in Data Center and SDN
Shenzhen, China

- Team Leader — Sep 2015 – Jun 2016
  - Research for several methods of congestion control in Ethernet
  - Configure common topo and multi-controller in SDN deployment
  - Achieve basic congestion avoid

Virtual Machine of Live Migration in SDNs
Hsin-chu, Taiwan

- Team Leader — Apr 2017 – present
  - Propose two kinds of algorithm to improve the TCP transmission performance in Datacenter networks
  - Finish the live migration model in NS2 network simulation and write an adaptive speed FTP generate file binding with TCP which uses CBR binding with UDP before.
  - Proposed a virtual machine migration method based on path optimization in SDNs.

CAMPUS ACTIVITIES

GreenWay China, Guangdong

- International Volunteer — Oct 2016 – Oct 2016
  - Protected the sea turtle in Huizhou,Guangdong province.

Peking university Young Volunteers Association, Beijing

- Young Volunteers Association — Mar 2017 – Apr 2017
  - As the volunteer focus on Teenagers grow up and provide guidance.

Taiwan LGBT Pride, Taiwan

- Participants — Oct 2017 – Oct 2017
  - This annual festival is marked by tens of thousands of people parading through the city, plus numerous after-parties and special events.

OTHER WORK EXPERIENCE

BYD. Ltd., Wuxi, Jiangsu, China

- Practice, — Oct 2013 – Jan 2014
  - Test electronic components with basic circuit of knowledge, using PCB to process electronic wires.
  - Design and produce amplifier with basic components, the both of which belong to the OSI model in the physical layer.

LANGUAGES

- Proficient: C/C++, Matlab, Verilog, FPGA, Assembly Language.
- Intermediate: Python.

INTERESTS

Datacenter networks, Software defined networks, Running, Reading.

REFERENCES

- **Dr. Li (Dagang Li)**
  - Assistant Professor in Peking University
  - Postdoctorate, University of Leuven
  - Research Area: Communication systems and computer networks
  - Laboratory: Center for Internet Research and Engineering (CIRE)
- **Dr. Huang (Nen-fu Huang)**
  - Distinguished Professor in Nation Tsing Hua University
  - PhD, Nation Tsing Hua University
  - Research Area: IoT Networks and Applications, MOOCs Learning Data Analysis, Network Security, SDN/NFV Network, High-performance Switches/Routers, Network Flow Classification Technologies
  - Laboratory: High-Speed Networks Labtory (HSNL)

ADDITIONAL COMMENTS

- **More information about me as follows:**
  - Blog: https://xuanlongq.github.io/
  - Github: https://github.com/XuanlongQ
  - If you are interested in my research,Please feel free to contact me :)