

# Hao WANG

## Contact Information

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## Education

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Shanghai Jiao Tong University (SJTU)  
*M.S. in Software Engineering*

Shanghai, China  
*Sept. 2012 - Mar. 2015 (expected)*

Shanghai Jiao Tong University (SJTU)  
*B.S. in Information Security*

Shanghai, China  
*Sept. 2008 - Jul. 2012*

## Research Interest

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Data Center Networking, Software Defined Network, Cloud Performance Tuning

## Publications

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- Hao Wang, Y. Zhao, H. Guan, "On Pricing Schemes in Data Center Network with Game Theoretic Approach," accepted by *IEEE ICCCN 2014*, Shanghai, China, August 4-August 7, 2014.
- Hao Wang, L. Chen, K. Chen, "FlowProphet: Generic and Accurate Traffic Prediction for Data-parallel Cluster Computing," submitted to *Proc. of IEEE INFOCOM 2014*, Hong Kong, China, April 26-May 1, 2015.

## Experience

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### RESEARCH INTERN

Hong Kong University of Science and Technology, supervised by Prof. Kai CHEN

Hong Kong  
2013.11-Present

- DCN load balancing with subflows in dynamic granularity. The endhosts split flows into subflows to balance load in multi-path DCN.
- OpenFlow performance evaluation when the number of flow rules is beyond TCAM capacity of the switch.

### SOFTWARE ENGINEER

Ramy Tech Inc.

Shanghai  
2013.06-2013.11

- One of the seven founders of AmyPI API Market, which is a platform that offers API search, API host, API pricing and API maintenance. AmyPI won Yunfeng Prize in 2013.

### INTEL SSG INTERN

Intel Asia-Pacific Research and Development Ltd.

Shanghai  
2011.12-2012.12

- Participated in the development of CloudScore, a performance assessing platform for IaaS Cloud system.
- Studied the methodology on performance assessing and tuning on OpenStack, as well as performance benchmarks including SPEC CPU 2006 etc.

### RESEARCH ASSISTANT

National Undergraduate Innovation Program, Supervised by Prof. Xiaochao ZI

Shanghai  
2009.11-2010.11

- Studied Linux Kernel and Linux system call mechanism.
- Designed and developed a tool to detect and defend buffer overflow attack, which captures Linux system call numbers and generates sequences.

## Selected Awards

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Yunfeng Prize, The 2nd Aliyun Cloud Computing Developer Competition (Top 1%)	2013
Second-Class Post Graduate Scholarship, Shanghai Jiao Tong University	2012
Third Prize, The 4th National College Information Security Contest	2011
Successful Participant Reward, Mathematical Contest in Modeling	2011
Second-Class Academic Excellence Scholarship, Shanghai Jiao Tong University	2009

## Skills and Others

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Project Experience: OpenFlow, OpenStack, AWS, Spark, Hadoop

Programming Language: Python, C/C++, Java, Scala, jQuery, HTML/CSS,  $\text{\LaTeX}$

OS: Mac OS X, Linux, Windows

Volunteer, Journalist in World Expo 2010, Shanghai

2010.10

GNU/Linux Board Master, YSSY BBS, Shanghai Jiao Tong University

2010.07-2012.09