Feng TIAN

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School of Software Technology, Dalian University of Technology, P.R.China

EDUCATION

School of Software Technology, Dalian University of Technology	**Dalian, China**
Bachelor of Software Engineering, Japanese Strengthening	*2010–2014*
GPA: 3.66/4.0 (Rank: 22/250)	
School of Software Technology, Dalian University of Technology	**Dalian, China**
Master of Software Engineering, Advisor: Prof. Lei WANG	*2014–Present*
GPA: 3.63/4.0 (Rank: 1/40)	

SELECTED HONORS AND AWARDS

Hua Wei Scholarship: Top 3%	*2016*
Excellent Master Graduate Award: Top 10%	*2015*
Graduate Student Scholarship: First Prize	*2014, 2015 and 2016*
Outstanding Graduate Award of Liaoning Province: Top 1.5%	*2014*
MEKTRON scholarship: Third Prize	*2013*
Merit Student of DUT: 1.5%	*2011–2013*
Learning Excellence Award: Second Prize, Top 15%	*2011, 2012 and 2013*

RESEARCH EXPERIENCES

During graduate student period, all of my works are supported by Natural Science Foundation of China under Grants No. 61070181, No. 61272524 and No.61202442. Some of them are under the collaboration with Silicon Valley Think Tank LLC and M-Lab (Measurement Lab).

Internet Neutrality & Internet Measurement (2015–Present): In the paper which was submitted to INFOCOM 2017, we presented a novel HTTP-based crowdsourcing approach for neutrality violation to validate the Internet neutrality. Additionally, Traceroute and geographical distributed Web servers based novel client side measurement mechanism was implemented to demystify the routing principles in China. Besides, a paper about neutrality analysis based on packet loss rate towards data from M-Lab has already been published.

Web Page Load Time Issues & Internet Neutrality (2015–Present): Our measurements analysis which is based on PhantomJS and Developer Tool of Chrome validated that the PLT (Page Load Time) issues such as page failures and reload problems are involved to problematic links among the page besides the network conditions. For instance, there are three external links in our experiments from Facebook.com and Twitter.com that restrict the page loading procedure of Amazon.com.

Smart Router Market and Product Survey (2014–2015): A comprehensive survey of smart routers in China which was implemented to validate the user demand and market trend. This

project was collaborated with Silicon Valley Think Tank LLC in US.

Cognitive Radio Networks & Network Economics (2014–2015): I presented a novel double spectrum auction mechanism to obtain superior utilities such as 100% in optimal scenario of spectrum channels by dividing channels in both spacial and temporal dimensions. Meanwhile, the mechanism was proved to be economic-robust by game theory in our published paper.

Renesas MCU Rally Car Group (2012–2012): I obtained Practical PC Board soldering technique and embedded hardware operations experiences.

Research on Cerebrovascular Digital Subtraction Angiography (2011–2012): We presented an MFC based application and non-rigid registration algorithm to obtain corrective cerebrovascular DSA (digital subtraction angiography). I developed a batch version which can stably process 300+ data files each time.

PUBLICATIONS

[1] **Tian, Feng**, D. Li, S. Li, L. Wang, N. Jin, and L. Sun, "RTDA: A novel reusable truthful double auction mechanism for wireless spectrum management," in *International Conference on Big Data Computing and Communications*. Springer, 2015, pp. 14–27.

[2] D. Li, **Tian, Feng**, M. Zhu, L. Wang, and L. Sun, "A novel framework for analysis of global network neutrality based on packet loss rate," in *2015 International Conference on Cloud Computing and Big Data (CCBD)*. IEEE, 2015, pp. 297–304.

[3] **Feng Tian**, L. Wang, P. Zhao, and S. Gao, "Patching traceroute using geographic information in neutrality inference crowdsourcing," in *The 3rd International Conference on Big Data Computing and Communications (BIGCOM 2017)*, Chengdu, China, 2017, **Submitted**.

LANGUAGES

English: TOEFL   *iBT: 92*
Japanese: JLPT   *N2: 131*

SKILLS

Programming: C/C++, Python, R Language, SQL, Java Script, Assembly Languages and HTML
Scientific: Game Theory, Statistics Methods and Machine Learning
Tools: R, Matlab, Data Visualization (ggplot2), LaTeX and Unix (IBM AIX System Administration Certification)

WORK EXPERIENCES

School of Software Technology, Dalian University of Technology (DUT)
TA of Network Security Experiment   *2013–2013*

School of Software Technology, Dalian University of Technology (DUT)
Management Assistant of Graduate Students   *2015–2016*