

# Wen Hu

Lab of Multimedia and Networking, Tsinghua University  
hu-w12@mails.tsinghua.edu.cn  
hsharkhw.github.io  
+86-15652918597

EDUCATION	<b>Tsinghua University, Beijing, China</b> • Ph.D. Candidate, Department of Computer Science and Technology • GPA: 89/100	Sep 2012 - Present
	<b>Nanyang Technological University, Singapore</b> • Visting Student, School of Computer Engineering	Oct 2015 - Apr 2016
	<b>Xidian University, Xi'an, China</b> • B.E., School of Computer Science and Technology • GPA: 94.7/100 (4/478)	Sep 2008 - Jul 2012
RESEARCH INTEREST	<i>Multimedia Network Optimization:</i> Server selection, overlay path construction, edge-assisted content delivery	
RESEARCH EXPERIENCE	<b>Nanyang Technological University, School of Computer Engineering</b> Advisor: Prof. Yonggang Wen Cloud Computing Application & Platform Group Visiting Student	Oct 2015 - Apr 2016
	<b>Tsinghua University, Department of Computer Science and Technology</b> Advisor: Prof. Lifeng Sun Lab of Multimedia and Networking Ph.D. Candidate	Sep 2012 - Present
	<i>Teaching Assistant</i> for Multimedia Streaming	Fall 2014
PUBLICATIONS	[1] <b>Wen Hu</b> , Zhi Wang and Lifeng Sun, "Guyot: a Hybrid Learning- and Model-based RTT Predictive Approach," in Proceedings of <i>IEEE International Conference on Communications (ICC)</i> , London, UK, Jun 2015.	
	[2] <b>Wen Hu</b> , Zhi Wang and Lifeng Sun, "Path-Aware Peer-Assisted Web Content Delivery against Network Failures," in Proceedings of <i>IEEE/ACM International Symposium on Quality and Service (IWQoS)</i> , Portland, OR, USA, Jun 2015.	
	[3] <b>Wen Hu</b> , Zhi Wang and Lifeng Sun, "Characterizing TCP Performance for Chunk Delivery in DASH," in Proceedings of <i>Pacific-Rim Conference on Multimedia (PCM)</i> , Xi'an, China, Sep 2016.	
	[4] <b>Wen Hu</b> , Zhi Wang and Lifeng Sun, "Towards Network-Failure-Tolerant Web Content Delivery: A Path-Aware Peer-Assisted Approach," <i>IEEE GLOBECOM</i> , Dec 2016. (submitted)	
	[5] <b>Wen Hu</b> , Zhi Wang, Ming Ma and Lifeng Sun, "Edge Video CDN: A Wi-Fi Content Hotspot Solution". (submitted)	
	[6] <b>Wen Hu</b> , Yichao Jin, Yonggang Wen, Zhi Wang and Lifeng Sun, "Towards Wi-Fi AP-Assisted Content Prefetching for On-Demand TV Series: A Learning-based Approach". (submitted)	
PATENTS	[1] Zhi Wang, <b>Wen Hu</b> , and Lifeng Sun, "A Layered RTT Prediction Method," (In Chinese), CN104852831, Aug 2015.	
	[2] Zhi Wang, <b>Wen Hu</b> , and Lifeng Sun, "A Wi-Fi AP based Content Delivery Method," (In Chinese), CN105407004, Mar 2016.	
AWARDS AND HONORS	First Class Guanghua Scholarship, Tsinghua University	2015
	Outstanding Graduate Award, Xidian University	2012
	National Scholarship, Xidian University (top 1%)	2009, 2011

First Prize in the Programming Contest, Xidian University	2011
Third Prize in the National Undergraduate Electronic Design Contest	2011

**SKILLS**

C/C++, Matlab, Python, R, Java, Shell Script, Javascript, php, Mysql  
Android SDK, Embedded System, MFC