

Ye Wang

Yale University Computer Science
51 Prospect St Room 302, New Haven, CT 06511
Homepage: <http://www.cs.yale.edu/~yw254>
Email: ye.wang@yale.edu Cell: (203) 506-4964



Education

- **Ph.D.**, Computer Science, Yale University GPA 4/4 2007.8-(2012.8)
- **M.Phil.**, Computer Science, Yale University (2010.12)
- **M.S.**, Computer Science, Yale University (2009.5)
- **M.S.**, Electronic Engineering, Tsinghua University, China GPA 90/100 2005.9-2007.7
- **B.E.**, Electronic Engineering, Tsinghua University, China 2001.9-2005.7

Research Projects

- **P2P Streaming Systems**: Based on fundamental understanding of P2P streaming (how to efficiently utilize peer capacity to support global streaming), we develop high-performance systems with novel algorithmic designs. Software packages for Adobe Flash, Google Android, Apple iOS will be released soon.
- **P4P**: Provider Portal for Network Applications. Our [P4P Software Package](#) for both network operators and P2P application developers. We conduct several large-scale field tests of P4P on the global Internet, working together with major ISPs in America, Europe, and Asia. The global standardization ([IETF ALTO](#)) and deployment of P4P is moving fast.
- **TORTE**: Towards Optimized and Robust Traffic Engineering. Our TORTE software package is extensively used by several academia/industrial institutions.

Selected Publications

- **QoSaaS: Quality of Service as a Service** In Proc. of *USENIX Hot-ICE 2011*
- **R3: Resilient Routing Reconfiguration** In Proc. of *ACM SIGCOMM 2010*
- **Shadow Configuration as a Network Management Primitive** In Proc. of *ACM SIGCOMM 2008*
- **Inter-Domain Access Volume: Ranking Autonomous Systems**
Lecture Notes in Computer Science, 2008, Volume 5200/2008, 482-491, DOI: 10.1007/978-3-540-89524-4_48
- **HPTP: Relieving the Tension between ISPs and P2P** In *IPTPS 2007*
- **Building a Robust and Economical Internet Testbed: 6PlanetLab** In Proc. of *IEEE ICON 2007*

Work Experience

- **Intern**, Autonomic Management Group, [NEC Laboratories America](#), U.S. Patents pending (06/2011 - 09/2011)
- **Chief Executive**, [Tsinghua University Alumni Association in Connecticut](#), USA (12/2010 -)
- **Intern**, Communication and Collaboration Group, [Microsoft Research](#), U.S. Patent associated (06/2009 - 08/2009, continued collaboration 01/2010-06/2010)
- **Vice President**, [Association of Chinese Students and Scholars at Yale](#), (07/2009 - 05/2010)
- **Visiting Student**, Wireless and Networking Group, [Microsoft Research Asia](#) (08/2006 - 12/2006)
- **Assistant Administrator**, [CERNET IPv6 Testbed](#) (09/2005 - 05/2006)
- **Developer & System Administrator**, [smthBBS](#), Bulletin Board System of Tsinghua University, around 3,000 online users, over 40,000 registered users, (03/2005 - 05/2007)
- **Vice President**, Student Science and Technology Association of DEE, Tsinghua University (09/2004 - 07/2005)

Skills and Experiences

- **Networking**: Network application back-end programming, P2P software development, Network operation (Cisco IOS, Juniper JUNOS, Quagga, XORP), Cloud application development (Google AppEngine, Amazon EC2), Mobile application development (Google Android, Windows Mobile, Apple iOS)
- **Programming**: Linux kernel hacking, GNU C/C++, C# .NET, Java, Perl, Python
- **Hardware**: Embedded system design, Device driver development (for Win32 and Linux), VHDL, PCB Design
- **Software**: Matlab, Optimization tools (Ilog CPLEX, Mosek, GLPK), Database (SQL Server), Office tools