CHONG TANG

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EDUCATION:

M.S. Computer Science, The University of Southern Mississippi (Aug 2010-Present) (GPA: 3.83/4)
B.E. Computer Network Engineering, Xi'an Institute of Post and Telecommunications, China
(Sept 2005-July 2009) (GPA: 3.45/4)

AWARDS:

Second Class Scholarship (2008)
Excellent Student Cadre Scholarship (2008)
Second Class Scholarship (2007)
Outstanding Triple-A student scholarship (2007)
Third Class Scholarship (2006)

PUBLICATIONS:

1) **Chong Tang**, Shaoen Wu, Honggang Wang, "Measurement Based Outdoor Link Level Investigation on IEEE 802.11 channels", *4th IEEE International Conference on Computer Science and Information Technology*, IEEE ICCSIT, Chengdu, China, June 2011
2) Qingmei Yao, **Chong Tang**, Shaoen Wu, *"Frame Fountain: Coding and Decoding MAC Frames", 2nd IEEE Workshop on Multimedia Communications & Services - IEEE GLOBECOM*, Houston, Tx*, Dec. 2011
3) Hanyu Liu, **Chong Tang**, Shaoen Wu, Honggang Wang, "Real-time Video Surveillance for Large Scenes" (invited paper), *WCSP 2011- Invited Session on Multimedia Communication Technology –* Nanjing, China, Sept. 2011

GRE TEST:

1520/1600 (Verbal: 720/800, Quantitative: 800/800)

SKILLS:

Programming Languages: C/C++, Java, C#, and PHP
Operating Systems: Windows and Unix/Linux.

EXPERIENCE:

The University of Southern Mississippi, Data Communications and Networking Group
Graduate research assistant (August 2010 – Present)

1) Opportunistic Networking: worked on a mac layer algorithm based on non-uniform back-off and cross-layer bit rate adaptation to achieve opportunistic access while maintain long term temporal fairness.
2) Wireless Link Dynamics: conducted extensive measurements of IEEE 802.11 channel variations on a Linux test bed to study the link characteristics such as SNR variation, delivery, mutual information, etc.

NEC Advanced Software Technology CO. LTD (NEC-AS)
Software Engineer (July 2009 – August 2010)
(1) JobCenter: developed a distributed system consisting of networked servers in an efficient and cost-saving solution. Built middleware transferring batch files across distributed servers automatically.
(2) PFC(Programmable Flow Control): A system for NEC's next generation switch which allows system administrators control flow with customized rule. Flow refers to the communication path between source switch and destination switch.

Information Technology Division, Xi'an Institute of Post and Telecommunications
Forum Administration Technical Manager (August 2006 – July 2009)
        Led a team to transfer university forum LAMP (Linux, Apach, Mysql, PHP) server from external virtual web host to internal dedicated host. Enforced network security policy on the server.

Sorun Computer Co. Ltd
Intern (Summer 2008)
        Developed a website named Open Experiment Management with ASP.NET, which manages a college's experimental schedules, in a three-layer architectural model.

Task Management System
Software Engineer
        Implemented a project management system that assigns project tasks, reminds each task owner and tracks the progress of each task of a project.

REFERENCES:
Dr. Shaoen Wu, Assistant Professor, University of Southern Mississippi, shaoen.wu@usm.edu, 601-266-6107 (my advisor)
Dr. Chaoyang Zhang, Associate Professor, Department Chair, University of Southern Mississippi, chaoyang.zhang@usm.edu, 601-266-4949
Dr. Nan Wang, Assistant Professor, University of Southern Mississippi, nan.wang@usm.edu, 601-266-6286
Lijun Chen, Professor, Xi'an Institute of Post and Telecommunications, cljcore@gmail.com