

Qun “Maggie” Yu

Chantilly, VA 20152

Phone: (412)-916-9845; Email: qyl.edu@gmail.com

Profile: <http://people.cs.pitt.edu/~quny>

OBJECTIVE

Seeking for a position of Software or Network R&D in Computing and Information Science Area.

EDUCATION

PhD. (04/--) *University of Pittsburgh* **Major:** Information Science

Research focus: Power Management for Large-scale Networks, Data modeling and analysis GPA: 3.6

M.S. (01/08-08/10) *Purdue University* **Major:** Computer Science

Research focus: Wireless Sensor Network Management, Data analysis GPA: 3.7

M.S. (09/03-05/06) *Beijing University of Posts & Telecommunications* **Major:** Computer Engineering

Research focus: Computer Networking and Software Engineering, Data analysis GPA: 80/100

PUBLICATIONS

- Q. Yu, T. Znati. “*Energy- and QoS-aware Traffic Strategies in Large Scale Networks*” (under review).
- Q. Yu, T. Znati, X. Ma. “*A Sleep-based Power- and Traffic-aware Strategy for Large Scale Networks*” (under review).
- Q. Yu, T. Znati, and W. Yang. “*Energy-Efficient, QoS-aware Packet Scheduling in High-speed Networks.*” *Selected Areas in Communications*, IEEE Journal on 33.12 (2015): 2789-2800. [[download pdf](#)]
- Q. Yu, “*A Survey of Cooperative Games for Cognitive Radio Networks*, ” *Journal of Wireless Personal Communications (SCI)*, 2013, DOI: 10.1007/s11277-013-1225-6. [[download pdf](#)]
- Q. Yu, M. Song, J. Song, X. Zhan. “*Research and Design of Wap Service System Based on MISC Platform.*” *The Journal of China Universities of Posts and Telecommunications*, Volume 13, issue 4 (December, 2006), p. 34-38. [[download pdf](#)]
- Q. Yu, T. Znati. “*Energy and QoS-aware Traffic Control and Management in Large Scale Networks.*” the 26th International Conference on Computer Communications and Networks, IEEE ICCCN 2017: 1-8. [[download pdf](#)]
- Q. Yu, T. Znati, and W. Yang. “*Energy-Efficient, Delay-aware Packet Scheduling in High-Speed Networks.*” the 34th International Performance Computing and Communications Conference, IEEE IPCCC 2015: 1-8. (Acceptance Rate=27%) [[download pdf](#)]
- W. Zhao, Y. Liang, Q. Yu, Y. Sui. “*H-WSNMS: A Web-Based Heterogeneous Wireless Sensor Networks Management System Architecture.*” *NBiS* 2009: 155-162 [[download pdf](#)]
- Q. Yu, M. Song, J. Song, X. Zhan. “*System Architecture Design for WAP Services Based on MISC Platform.*” *Computer Supported Activity Coordination Workshop* 2006: 125-130 [[download pdf](#)]

SUMMARY OF QUALIFICATIONS

- Programming languages: Java/JavaScript, C/C++, PHP, TCLScript
- Database technologies : MySQL, Oracle, PostgreSQL
- Web Server: Tomcat, JBOSS and BEA WebLogic Server
- OS platform : Windows, Linux, MAC
- Simulation platform : NS2, Matlab
- Excellent team player and problem solver with fast-learning, creative and hard-working

RESEARCHES AND EXPERIENCES

- **Graduate Research Assistant. (04/--) @ University of Pittsburgh**

Research Project: Performance Study of Energy-efficient Networks

- Research on Energy- and QoS-aware strategies for large-scale networks
- Research on DVFS and Sleep Mode approaches for large-scale networks

Other Research Projects:

- Research on game theory applications in cognitive radio networks
- **Data Analysis based on Location-based Social Network:**
 - Venues popularity analysis based on LBSN Foursquare
 - Dynamic data analysis based on LBSN Gowalla

- **Graduate Research Assistant. (01/08-08/10) @ Purdue University, Indianapolis**

H-WSNMS Project: a web-based WSN management platform

- Participated in the implementation of a Heterogeneous Wireless Sensor Network Management System
- Participated in the design and development of an Information Retrieval System

- **Graduate Research Assistant. (09/03-05/06) @ PCN&CAD Research Center, BUPT**

GPRS Location System on Vehicle (Cooperated with Bright Oceans Inter-Telecom Corporation)

- Researched on the Mobile Location-based Protocols and GPRS technologies
- Responsible for the design and development Server side of a Mobile Location-based System.

WIPI project (Cooperated with ETRI, Korea)

- Designed and developed Mobile Emailing System based on two APIs (**J2ME** and **C**) to verify the feasibility of WIPI wireless service platform.

Mobile Value-Added Platform -WAP Service System (PCN&CAD Research Center)

- Responsible for the design and development of WAP Service System and diverse user Apps