

Shengrong Yin

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EDUCATION

University of Houston

Ph.D. student, Computer Science

Houston, USA

Aug. 2013 - Aug. 2017(expected)

Wuhan University of Technology

M.S., Electrical Engineering

Wuhan, China

Sep. 2011 - Jun. 2013

Wuhan University of Technology

B.S., Electrical Engineering

Wuhan, China

Sep. 2007 – Jun. 2011

PUBLICATION

- Yin, S., Gnawali, O., Sommer, P., Kusy, B. "Multi Channel Performance of Dual Band Low Power Wireless Network", *Mobile Ad-Hoc and Sensor Systems (MASS), 2014 IEEE 11th International Conference on*. IEEE, 2014
- Yin, S., Gnawali, O., Sommer, P., Kusy, B. "Poster Abstract: Concurrent Wireless Channel Survey on Dual Band Sensor Network Testbed", *Mobile Ad-Hoc and Sensor Systems (MASS), 2014 IEEE 11th International Conference on*. IEEE, 2014

PATENT

- Li, F., Zhang, J., Liu, X., Jiang, L., Yin, S., Qian, K., "Position and posture measuring system and method for mechanical equipment", CN102322857B (**granted**)

EXPERIENCE

INTERNSHIP.....

IBM

Software Engineer Intern

Beijing, China

Feb. 2013 - May. 2013

- Unified and validated IBM Rational systems & software engineering platform using Java, XML, Python.
- Designed and implemented automated and manual test cases for the deployment of IBM cloud services using IBM Rational Application Developer and bash scripts.
- Constructed and maintained the rapid continuous software development, test automation and delivery through IBM service virtualization.

POTEVIO(China)

Technical Engineer Intern

Luoyang, China

Oct. 2010 - Sep. 2010

- Implemented and debugged a security alarm monitoring system using C++ and OpenCV.

RESEARCH.....

University of Houston

Research Assistant at the Networked Systems Laboratory

Houston, USA

Jan. 2014 - Present

- Built and debugged a distributed system for wireless sensor network testbed with servers, proxies and sensor nodes utilizing Python, Shell scripts based on Ubuntu 13.04.
- Developed an application for wireless sensor network to capture and analyze the performance of network connectivity and system reliability.
- Validated and enabled a wireless sensor network testbed - Twonet to make it public for the academia usage.

University of Houston

Research Assistant at the Networked Systems Laboratory

Houston, USA

Oct. 2013 - Nov. 2013

- Investigated how soon the US government could update their websites during the gov't shutdown 2013 using Shell and Python scripts.
- Submitted research conclusion and accepted by slashdot.org

SANYHE International Holdings Co., Ltd

Junior Researcher

Shenyang, China

May. 2011 - Dec. 2011

- Designed and implemented an adaptive navigating system for road header underground using C and C++.

Wuhan University of Technology

Undergraduate Research

Wuhan, China

Oct. 2010 - May. 2011

- Designed and implemented a new platform including both hardware and software for CC1101 radio stack which can be ported into TinyOS.

Wuhan University of Technology

Programmer

Wuhan, China

May. 2010 - Jul. 2010

- Designed and implemented an irrigation system including both hardware and software to better precise the water-saving agriculture using C.

TEACHING.....

University of Houston

Teaching Assistant

Houston, USA

Aug. 2013 - Aug. 2014

- Instructed COSC1410/1320, an introductory computer science course sequence on C++ and Java programming.
- Critiqued and graded assignments, quizzes, led lab sessions, held office hours.

HONORS & AWARDS

- Student Travel Grant Award for **ACM SenSys 2014** 2014
- Student Travel Grant Award for **IEEE MASS 2014** 2014
- Graduate Student Scholarship at UH 2013-2014
- National Scholarship for Masters in China 2012
- Outstanding Graduates of Class 2011 at WUT 2011

COMPUTER SKILLS

OS: Mac, Linux/Unix, Windows

Programming: Python, Shell, nesC, C, C++, Java

IDE: IAR, VisualStudio, Keil, Eclipse, Xcode

Scientific: Matlab, Octave, OpenCV, OpenGL

Typography: L^AT_EX, MS Office, Open Office

Web: Photoshop, HTML, CSS, JavaScript

AFFILIATIONS & LEADERSHIP

- Student Member** of IEEE 2014
- Vice-Chairman** of the Radio Station at WUT 2009-2010
- Member** of the Rollerblade Team of the Student Union at WUT 2007-2011