Shengrong Yin

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EDUCATION

University of Houston   **Houston, USA**
Ph.D. student, *Computer Science*   *Aug. 2013 - Aug. 2017(expected)*

Wuhan University of Technology   **Wuhan, China**
M.S., *Electrical Engineering*   *Sep. 2011 - Jun. 2013*

Wuhan University of Technology   **Wuhan, China**
B.S., *Electrical Engineering*   *Sep. 2007 – Jun. 2011*
GPA:3.54/4.0

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   **Beijing, China**
Software Engineer Intern   *Feb. 2013 - May. 2013*

- Unified and validated IBM Rational systems & software engineering platform using Java, XML, Python and Shell.
- 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)   **Luoyang, China**
Technical Engineer Intern   *Oct. 2010 - Sep. 2010*

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

RESEARCH

University of Houston   **Houston, USA**
Research Assistant at the Networked Systems Laboratory   *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   **Houston, USA**
Research Assistant at the Networked Systems Laboratory   *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   **Shenyang, China**
Junior Researcher   *May. 2011 - Dec. 2011*
- Designed and implemented an adaptive navigating system for road header underground using C and C++.

Wuhan University of Technology   **Wuhan, China**
Undergraduate Research   *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   **Wuhan, China**
Programmer   *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   **Houston, USA**
Teaching Assistant   *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   **Scientific**: Matlab, Octave, OpenCV

Typography: LaTeX, 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