

# Si Chen

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## Education

- \* **University at Buffalo - SUNY** Buffalo, NY  
*Ph.D., Computer Science (GPA 3.8)* Sep. 2012 - Expected in 2016
  - Research Assistance in Ubiquitous Security and Privacy Research Laboratory (UbiSeC Lab)
- \* **University at Buffalo - SUNY** Buffalo, NY  
*M.S., Electrical Engineering (GPA 3.8)* Sep. 2010 - May. 2012
  - Research Assistance in Wireless Networks and Embedded Systems Lab (WINES Lab)
- \* **China Agricultural University** Beijing, China  
*B.S., Measuring & Control Technology and Instrumentations* 2006-2010
  - Graduated with Honors, Top 100 Excellent Graduate Theses award winner

## Research Projects

- \* **AcousAuth** Buffalo, NY  
*Ubiquitous Security and Privacy Research Laboratory (UbiSeC Lab)* Jun. 2013 - Oct. 2013
  - A smartphone empowered personal authentication system exploiting keyless acoustic communication.
  - **The Annual International Conference on Mobile Computing and Networking (MobiCom'13) App Competition Finalists (top 10).**
- \* **Ground Wave Simulator** Buffalo, NY  
*Wireless Networks and Embedded Systems Laboratory* 2011 - May. 2012
  - Accomplish an online simulation system based on ns-2 open source network simulator to simulate advanced high frequency (HF) network

## Selected Publications

- \* Muyuan Li, Haojin Zhu, Zhaoyu Gao, Si Chen, Le Yu, Shangqian Hu, Kui Ren, "All your location are belong to us: Breaking mobile social networks for automated user location tracking," in **Proceedings of the 15th ACM international symposium on Mobile ad hoc networking and computing (Mobihoc'14)**, 2014.
- \* Si Chen, Muyuan Li, Kui Ren, "The power of indoor crowd: Indoor 3D maps from the crowd," in **Computer Communications Workshops (INFOCOM WKSHPS)**, 2014.
- \* E Koski, S Chen, S Pudlewski, T Melodia, "Network simulation for advanced HF communications engineering," in **The 12th International Conference on Ionospheric Radio Systems and Techniques (IRST2012)**, 2012.

## Previous Work Experience and Internships

- \* **Sina Weibo (China)** Beijing, China  
*Application Dev Engineer (Internship)* Apr. 2010 - July. 2010
  - Used Python (Matplotlib), Javascript (jQuery) and PHP with MySQL to build an UNIX cluster administration system
  - Created an usage frequency indicator to show Weibo's current usage frequency in different areas using Python, C, PHP with MySQL, Javascript

## Skills

**Preferred Programming Languages:** Python

**Operating Systems:** Linux (Gentoo), OS X, Windows,