

Chuankai An, Ph.D. student

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EDUCATION *Ph.D. in Computer Science,* Fall 2013 - 2018 (expected)
Dartmouth College, Hanover, NH
Advisor: Prof. Dan Rockmore
Specialization: data mining and machine learning

B.S. in Computer Science with minor in Statistics, Fall 2009 - Spring 2013
Peking University, China GPA: 3.60/4.0

EXPERIENCE *Research Assistant,* Dept. of CS, Dartmouth College, Since Fall 2013

- Analyzed smartphone usage records to predict user behaviors and save battery energy.
- Built an indoor Visible Light Communication system and sensed body gesture with visible light.

Research Assistant, Dept. of ECE, UC Davis Summer 2012

- Predicted network data flow using Kalman Filter.

Research Assistant, Dept. of EECS, Peking University, China 2011 - 2013

- Defended B.S. thesis: sentimental analysis of texts on social network.

SKILLS Python, C, C++, Java, Android, Matlab, R, MySQL, Hadoop, Latex, UNIX/Linux

SELECTED PUBLICATION Chuankai An, D. Rockmore. Predicting Phone Usage using Hierarchical Generative Model. (submitted)

Chuankai An, T. Li, Z. Tian, A. T. Campbell, and X. Zhou. Visible Light Knows Who You Are. VLCS 2015.

T. Li, Chuankai An, R. Chandra, A. T. Campbell, and X. Zhou. Low-Power Pervasive Wi-Fi Connectivity Using WiScan. UbiComp 2015.

T. Li, Chuankai An, Z. Tian, A. T. Campbell, and X. Zhou. Human Sensing Using Visible Light Communication. MobiCom 2015.

T. Li, Chuankai An, X. Xiao, A. T. Campbell, and X. Zhou. Real-Time Screen-Camera Communication Behind Any Scene. MobiSys 2015.

Chuankai An, X. Huang, C. Lian, Analysis of Heavy Metal Pollution in Urban Topsoil, Journal of Chinese Engineering Mathematics, Nov. 2011

AWARDS 2015 Best Demo Award, MobiSys
2015 Best Video Award, MobiCom
2015 Best Poster Award, CS Research Symposium of Dartmouth College
2014 Best Paper Award, VLCS
2013 Honors Graduation, Peking University
2012 Academic Innovation Award
2011 National Scholarship
2011 First Prize in National Math Modeling Contest