

Joshua L. Hare
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Computer Sciences ❖ 1210 W. Dayton St. ❖ Madison, WI 53706

Research Interests

I enjoy working in the area of mobile and wireless networking systems with specific interests in vehicular networking.

Education

Ph.D. Candidate, Computer Science
University of Wisconsin - Madison
Advisor: Suman Banerjee

M.S., Computer Science (May 2010)
University of Wisconsin - Madison

B.S. Computer Engineering (Dec. 2006)
University of Wisconsin - Madison

Employment

Research Assistant (Aug. 2007 - Present)
Dept. of Computer Sciences, University of Wisconsin - Madison

Software Internship (June 2008 - Aug 2008)
Cisco Systems, San Jose, CA

Software Engineer (Jan 2007 - Aug 2007)
Extreme Engineering Solutions, Middleton, WI

Undergraduate Research (Sept 2005 - May 2007)
Computer Engineering, University of Wisconsin - Madison

Awards and Grants

1. "Enabling High-Bandwidth Audio-Visual Connectivity to Vehicles with Public Safety Applications"
PI, NSF SBIR Phase I grant awarded to WiRover Inc., January to June 2012.

Publications

1. Beyond Deployments and Testbeds: Experiences with Public Usage on Vehicular WiFi Hotspots.
Joshua Hare, Lance Hartung, Suman Banerjee
MobiSys 2012, Low Wood Bay, United Kingdom
2. Can they hear me now?: A case for client-assisted approach to monitoring wide-area wireless networks.
Sayandeep Sen, Jongwon Yoon, Joshua Hare, Justin Ormont, Suman Banerjee
IMC 2011, Berlin, Germany
3. A Network-Assisted System for Energy Efficiency in Mobile Devices.
Joshua Hare, Dheeraj Agrawal, Arunesh Mishra, Suman Banerjee, Aditya Akella
Comsnets 2011, Bangalore, India (Invited Paper)

4. Continuous Vehicular Connectivity Through Multiple Wide-area Interfaces.
Joshua Hare, Lance Hartung, Wes Miller, Suman Banerjee
Demo/Poster GENI Engineering Conference(GEC) 9, November 2010
5. Energy Efficient Mobile Devices Through Infrastructure Assistance
Dheeraj Agrawal, Joshua Hare, Arunesh Mishra, Suman Banerjee
MobiSys 2008, Breckenridge, CO (Poster)

Other Publications

1. Mobile Sensor Networks.
Joshua Hare
Demo/Poster UW-Madison Engineering Expo, April 2007
3rd place individual prize

Achievements

- Ronald E. McNair Research Scholar.
 - Valedictorian of high school class.
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