

Joshua L. Hare

Computer Sciences ❖ 1210 W. Dayton St. ❖ Madison, WI 53706 ❖ jlhare@wisc.edu

Objective

Looking for an opportunity to research in the area of mobile computing and wireless networking.

Education

University of Wisconsin-Madison

Ph.D. Computer Science ongoing
M.S. Computer Science May 2010

GPA 3.69 / 4.00

Adviser: Prof. Suman Banerjee

Area of focus: Mobile systems and wireless networks

Background in:

- Computer networking
- Mobile computing
- Network security
- Analog and digital communication theory
- Random processes
- Driver and kernel programming

University of Wisconsin-Madison

B.S. Computer Engineering Dec. 2006

GPA 3.26 / 4.00 Major GPA 3.43 / 4.00

Ronald E. McNair Research Scholar

Dean's honor list Fall 04/05 - Fall 06/07

Valedictorian of high school class.

Experience

University of Wisconsin-Madison

Madison, WI Jan. 2007 - Present

(Research Assistant)

Working on optimizations for cellular and multihomed mobile devices.

Designed and implemented a multihomed wireless backhaul system to provide Internet connectivity to vehicles.

Implemented a network header compression technique into the Linux kernel.

Cisco Systems

San Jose, CA May 2008 - Aug. 2008

(Software Internship)

Started a collaborative WiMAX research project.

Designed a SNMP to CIM translator software product.

University of Wisconsin-Madison

Madison, WI Sept. 2007 - Dec. 2007

(Teaching Assistant)

TA for a circuits lab where I guided students through the material.

Help students debug circuits and understand how to use lab equipment.

Extreme Engineering Solutions

Middleton, WI Jan. 2007 - Aug. 2007

(Engineering Co-op)

Wrote driver code for embedded serial interface card.

Wrote various Perl, expect (TCL), and shell scripts.

Mobile Sensing Networks

University of Wisconsin-Madison Sept. 2005 - May 2007

(Undergraduate Research)

Program robotic movements to be adaptively based on data collected.

Technical writings: proposal and progress reports.

Cardinal Glass - FG

Portage, WI

Summer 2005 & Summer 2006

(Engineering Internship)

Worked with SQL server writing stored procedures and various database admin work.

Worked to create a web interface for SQL database.

Managed the installation of a Cisco VoIP phone system and documented admin details for the system.

Cardinal Glass - FG

Portage, WI

June 2002 - May 2005

(Seasonal Employee)

Developed communication skills in workplace environment.

Additional**Computer Skills**

Proficient with C, Python, SQL, shell.

Experience with C++, Java, Perl, ASP, HTML, PHP, Tcl/Tk, Visual Basic, ASM
