

Tamim Sookoor

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NATIONALITY	Sri Lankan, U.S. permanent resident	
INTERESTS	Sensor networks, embedded systems, distributed systems, ubiquitous computing, programming interfaces, quality of service trade-offs, activity recognition	
EDUCATION	University of Virginia , Charlottesville, Virginia USA Advisor: Prof. Kamin Whitehouse <ul style="list-style-type: none">• Ph.D., Computer Science, 2011 (Expected)• M.S., Computer Science, 2008 (Expected) Vanderbilt University , Nashville, Tennessee USA B.S., Computer Engineering, May 2006 <ul style="list-style-type: none">• <i>Summa cum Laude</i>, Honors in Engineering• Minor in Mathematics	
RESEARCH	University of Virginia <i>Graduate Research Assistant</i> Advisor: Prof. Kamin Whitehouse August 2006–Present <ul style="list-style-type: none">• Implementation of macroprogramming abstractions for wireless embedded systems.• Development of a reliable, latency-bound routing protocol for cyber-physical systems and a link quality maintenance technique for wireless connections.• Activity recognition using hip-mounted three-axis accelerometer. Advisor: Prof. John Stankovic August 2006–August 2007 <ul style="list-style-type: none">• Helped develop, implement, and deploy a wireless sensor network for environmental research. Vanderbilt University <i>Undergraduate Researcher</i> Advisor: Prof. Xenofon Koutsoukos May 2005–May 2006 <ul style="list-style-type: none">• Participated in the Vanderbilt Undergraduate Summer Research Program. Implemented a parking space finder service.	

TEACHING	<p>University of Virginia <i>Graduate Teaching Assistant</i></p> <ul style="list-style-type: none"> • Computer Networks Spring 2007 • Software Development Methods Fall 2006
	<p>Vanderbilt University <i>Tennessee Louis Stokes Alliance for Minority Participation Tutor</i></p> <ul style="list-style-type: none"> • Mathematics 2005–2006
PUBLICATIONS	<p>To Appear: Tamim Sookoor, Timothy Hnat, and Kamin Whitehouse, “MacroLab: A Framework for Deployment-Specific Code Decomposition,” in <i>The 6th ACM Conference on Embedded Networked Sensor Systems (SenSys)</i>, Raleigh, NC, Nov. 2008.</p> <p>L. Selavo, A. Wood, Q. Cao, T. Sookoor, H. Liu, A. Srinivasan, Y. Wu, W. Kang, J. Stankovic, D. Young, J. Porter, “LUSTER: Wireless Sensor Network for Environmental Research,” in <i>The 5th ACM Conference on Embedded Networked Sensor Systems (SenSys)</i>, Sydney, Australia, Nov. 2007. (acceptance ratio 16.8%)</p>
SERVICE	<p>Reviewer: Internet of Things Conference, 2008</p>
HONORS	<p>University of Virginia</p> <ul style="list-style-type: none"> • DuPont Fellowship, 2008–Present • IPSN Student Travel Award, 2007 • Graduate Research Assistantship, 2007–Present <p>Vanderbilt University</p> <ul style="list-style-type: none"> • Dean’s Award for Outstanding Scholarship, 2006 • Eta Kappa Nu, Electrical and Computer Engineering Honor Society, 2005–Present • Tau Beta Pi, National Engineering Honor Society, 2005–Present • Mortar Board, National College Senior Honor Society, 2005–Present • Vanderbilt Undergraduate Summer Research Program Fellowship, 2005 • Vanderbilt School of Engineering Summer Research Program, 2005 (declined) • Tennessee Tech University Research Experience for Undergraduates in Network and Communication Systems, 2005 (declined)
SKILLS	<p>Programming Languages: C, C++, nesC, Java, HTML, Python, Perl, PHP, Lisp, UNIX shell scripting, SQL, SVN, Assembly, and others</p> <p>Application Programs: Matlab, Mathematica, MS Visual Studio 6.0/.Net, Eclipse, AutoCAD, L^AT_EX, B_IB_TE_X, Microsoft Office, and other common productivity packages for Windows and Linux platforms</p> <p>Operating Systems: Microsoft Windows XP/2000/NT, μC/OS, TinyOS, Linux, Solaris, and other UNIX variants</p>
COURSEWORK	<p>Graduate: Computer Organization, Theory of Computation, Algorithms, Sensor Networks, Applied Statistics for Engineers and Scientists, Programming Paradigms for Wireless Embedded Systems, Operating Systems</p> <p>Undergraduate: Programming Languages, Program Design and Data Structures, Principles of Operating Systems I, Computer Organization, Probability and Statistics for Engineers, Microcontrollers, Embedded Systems, Signals and Systems, Discrete Structures, Intermediate Software Design</p>