

## Joe Davis

davisj4@auburn.edu  
Cell 2054991407

Permanent Address  
1331 Old US HWY 11  
York, AL 36925

Current Address  
239 Chewacla Drive  
Auburn, AL 36830

**OBJECTIVE** To unite my enthusiasm for wireless mesh networking, open source software, and embedded systems development with my passion for rural community development, social justice, and sustainable living in order to transform the lives of people where I live and work.

**EDUCATION** Auburn University; Auburn, AL  
*Bachelor of Science in Wireless Software Engineering with Networks Specialization*  
Current Year: Senior  
Current Cumulative GPA: 3.79 / 4.0  
Expected Graduation Date: May 2009

### EXPERIENCE

- May 2007 - June, 2007 York Drug Store, York, AL  
Information Technology Support
- Maintained the Windows 2003 Server that operated QS/1, an application that is essential in filling approximately 800-1000 prescriptions per day for the only two pharmacies, the only hospital, and the only nursing home in Sumter County Alabama.
  - Helped to facilitate a major QS/1 upgrade from a text-based interface to a graphical interface which involved several hours of training with the new interface in order to quickly and accurately answer any questions the pharmacists had.
  - Implemented an on-line company calendar for 50+ employees using Microsoft Outlook Email Server to help managers synchronize their scheduling.
  - Assisted pharmacists, nurses, and cashiers with all their computer problems from confused printers to forgotten passwords.
- June, 2006 - July, 2006 SIFAT - Servants in Faith and Technology, Lineville, AL and Ixiamas, Bolivia  
<http://www.sifat.org>  
International Summer Intern
- Received training in sustainable agriculture, appropriate technologies, community development, and cultural diversity in the developing world -- specifically in South America.
  - Lived and worked in Ixiamas, Bolivia, at a Christian boarding home with 5 other Auburn University students that housed approximately 50 children ages 6 to 17. I worked with Bolivians on several projects including 3 septic tanks and foundation work for 2 bathhouses. I personally championed a rainfall harvesting project that collected water from the rooftop into a 1000 gallon cement tank constructed from local materials.
  - Led the children in Bible study and in daily chores
  - Hosted 3 teams from the United States and helped to facilitate their stay in Bolivia
- For more information on this experience, visit my trip blog:*  
<http://www.xanga.com/AWFplusSIFATBolivia4Jesus>
- May, 2005 - July, 2005 Alabama Rural Ministry, Auburn, AL  
<http://www.arm-al.org>  
Construction Site Coordinator
- Visited approximately 60 families throughout the county and profiled projects for upcoming youth work teams
  - Responsible for buying and organizing all construction project materials
  - Facilitated nearly 35 home repair projects over the course of 8 weeks
  - Helped lead nightly worship services for youth work teams
- Spring 2007 - Present Class Projects, Auburn University

- Currently involved in the design and implementation of an autonomous robotic lawnmower for Senior Design credit. I am responsible for creating a graphical user interface on a laptop base station to display information from several sensors on the lawnmower. I am also working on the design of control code for the lawnmower and on the setup of the embedded development environment.
- Created a campus map application called Tiger Trails using Java ME for use on a Java enabled cell phone. The application included a searchable map and it also graphically displayed routes between buildings on campus. It was modeled using Unified Modeling Language 2 and it received an A.

## SKILLS

- Programming Languages: Java, Java ME, Unified Modeling Language 2, C++, x86 Assembly, ARM Assembly
- Operating Systems: Linux (Debian, Ubuntu, DamnSmallLinux), MS Windows XP, MS Server 2003
- Additional Skills: HTML, Matlab, PSPICE, LINGO, Google's Android Platform, Basic UNIX command line, Wireless and Local Area Network setup and troubleshooting, OpenOffice Suite, great written and verbal communication, analytical, and problem solving skills

## HONORS & AWARDS

- Upsilon Pi Epsilon: *International Honor Society for the Computing and Information Disciplines*
- Tau Beta Pi: *National Engineering Honor Society*
- Alpha Lambda Delta: *National Honor Society for College Freshmen*
- National Society of Collegiate Scholars
- 3 time Vodaphone Foundation Scholarship Recipient
- Dean's List for 6 of 7 semesters completed

## PROFESSIONAL MEMBERSHIPS

- Association for Computing Machinery
- IEEE Student Member

## LEADERSHIP

Auburn Wesley Foundation (A United Methodist Campus Ministry)

- Leadership Team Member, 2005-2006
- Leadership Councilperson, 2006-present
- Worship Band Leader, 2006-present

## ACTIVITIES & VOLUNTEER SERVICE

- Auburn Wesley Foundation: *worship band drummer, Bible study leader, member of Liberia 2007 Mission team*
- AU Stars Program: *visits elementary schools once a week to teach programming fundamentals using ALICE 3D or LEGO Mindstorms robots.*
- York Baptist Church: *member of 6 consecutive Spring Break mission trips to La Ermita, Honduras*
- Alabama Rural Ministry: *helped plan community service projects and led several project teams*