

William J. Woodall

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RESEARCH INTERESTS Mobile Robotics, Perception, Navigation and Control, Software Engineering/Education

EDUCATION **Auburn University**, Auburn, AL

M.S., Master of Software Engineering [2012]
B.S., Computer Science and Software Engineering [2010]

PROFESSIONAL EXPERIENCE **Open Source Robotics Foundation**, Mountain View, CA

Software Engineer **February 2013 - Present**

Willow Garage, Menlo Park, CA

Software Engineer **August 2012 - February 2013**

GAVLab (GPS and Vehicle Dynamics Lab), **Auburn University**, Auburn, AL

Graduate Research Assistant **Summer 2010 - Summer 2012**

Virticle Corp., Auburn, AL

Web Design Engineer **Summer 2009 - Spring 2010**

Neptune Technology Group, Tallassee, AL

IT CO-OP **Summer 2007, Spring 2008, Fall 2008**

RELEVANT EXPERIENCE/ACHIEVEMENTS **Autonomous Lawnmower Team**, Auburn University **Summer 2009 to Summer 2012**

- Third Place in 2010; Second Place in 2011; Forth Place in 2012

Nasa Lunar Excavator Competition Team, Auburn University **Fall 2009 - Spring 2010**

- Second Place Overall and First Place Systems Engineering Paper in 2010 Competition

Vice-Chair Auburn IEEE Student Branch **May 2008 to May 2010**

Auburn BEST Robotics Student Alumni Organization **Fall 2005 to Summer 2012**

TECHNICAL SKILLS Code Portfolio: <http://github.com/wjwood>

Programming: Python, C++, C, Java, javascript, Bash, Ruby, PHP, ActionScript, SQL
note: Languages listed in order of proficiency

Frameworks/Libraries: ROS, CMake, PCL, OpenCV, Qt, wxWidgets, VTK, Boost, MOOS

Applications: L^AT_EX, Sublime Text, vim, git, svn, Solidworks, Blender, Photoshop

Operating Systems: Windows IT, Linux Embedded, Mac OS X Personally