

Robert Wilkerson
5555 Cedar St.
Raleigh, NC 27605
919.510.4444 • rswilker@ncsu.edu

Objective

A hands-on mechanical engineering position where I will contribute strengths in project management and working with diverse teams.

Education

NC State University, Raleigh, NC
B.S. in Mechanical Engineering, May 2010
Minor in German
2.94/4.00 GPA

Senior Design Project: Team member for Caterpillar sponsored project. Hold role of machinist and designer to create new prototype for small wheel loader compatible with 930G bucket.

Related Experience

Advanced Energy Corporation, Raleigh, NC
Engineering Intern, Summer 2009

- Ran motor testing for efficiency and compliance with EPA regulations.
- Interpreted results and verified test accuracy.
- Assisted in multiple projects involving environmental awareness, mechanical performance, and cost considerations in motor selection.
- Used Excel and database software for data logging and analysis.
- Wrote weekly reports and developed on-line reporting system for interns.

NC State Aerial Robotics Club, Raleigh, NC
Design Team Leader, August 2007-August 2008

- Designed and integrated components into competition vehicle.
- Gained experience with composite construction and flight testing.
- Placed 5th (overall) and 2nd (presentation) at the 2008 AUVSI UAV - Association for Unmanned Vehicle Systems International Unmanned Aerial Competition, <http://art1.mae.ncsu.edu/index.php>.

Other Experience

NC State New Student Orientation, Raleigh, NC
Orientation Counselor, May 2008-August 2008

- Selected as student leader for groups of incoming first year students.
- Led tours and gave presentations on campus resources and services.
- Organized team-building activities.

International

Study Abroad: Summer program in Vienna, Austria, Summer 2007
Language: German, 8 years study
Travel: Austria, Czech Republic, Germany, Switzerland

Computers

ProE, SolidWorks, AutoCAD, ANSYS, Simulink, Maple
Build and troubleshoot systems and networks

Involvement & Interests

ASME – Member
Aerial Robotics – Member, attended 2008 AUVSI UAV conference
Inter-Residence Council - Member Sustainability Committee
Wilkerson Farm - oversee construction projects / maintain machinery
Club Rugby - Member