

Eric E. Smith

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Objective	Summer internship involving product design or development. Special interests in mechanical systems and vehicle dynamics.
Education	B.S. Mechanical Engineering , expected Fall 2008 University of Wisconsin-Madison Overall GPA: 3.73/4.00 Dean's Honor List Every Semester Significant Courses Completed: Dynamics, Statics, Materials Science, Engineering Graphics Courses Completed by Summer 2007: Thermodynamics, Mechanics of Materials, Physics
Experience	Caterpillar Inc. , Peoria, IL Global Engine Development-North America Intern, Fall 2006 <ul style="list-style-type: none">Helped develop new emissions technology by testing prototype system on a test truck. Responsibilities included installing hardware, running tests, and logging and analyzing data.Worked with a team to keep fleet of test trucks running 24 hours a day. Logged and analyzed truck ECM data to troubleshoot engine problems. Formula SAE Race Team , UW-Madison Suspension Team, 2004-present <ul style="list-style-type: none">Designing anti-roll for current car. Goals include reducing system friction, and increasing percentage of roll rate taken up by the anti-roll compared to last year's car.Designed bell cranks as 2nd year member with another teammate. Wisconsin race team placed third overall in international competition in 2004-05; learning valuable technical and design skills. North American Mechanical Inc. , DeForest, WI Steamfitter, Summer 2006 <ul style="list-style-type: none">Installed ductwork and piping on large construction projects, gaining field experience in an engineering-based professionRequired good planning and problem solving skills on a daily basis Introduction to Engineering , UW-Madison "Corn Tipper" Project, Fall 2004 <ul style="list-style-type: none">Designed a portable device that applied, measured, and recorded the horizontal force needed to uproot a corn plant when the force was applied at different heights on the plant.Worked on a team and learned about the stages of the engineering design process firsthand.
Leadership	Senior Leader for Freshman Orientation in High School
Awards	Faustin Prinz Scholarship (Spring 2007, \$1000), Academic Plaque in High School, highest academic award; Hardest Worker Award on track & field team senior year
Computer Skills	Microsoft Office, AutoCAD, Solidworks, Adobe, Maple 9, Matlab 7, datK, Vector CANape
Foreign Language	Spanish, intermediate ability, four years in high school, 4 credits in college plus 8 retro credits
Athletics	Track-3 yr letter winner, competed at state track meet senior year, Football-2 yr letter winner, X-Country-1 yr letter winner
Music	Percussion-4 yrs individual & ensemble state competition, highest rankings 3/4 yrs; play guitar as hobby
Racing	Road racing fan; Spec Miata race series goals with brother