

Alex R. Scheuerell

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Campus Address
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OBJECTIVE

An entry-level mechanical engineering position where my ability and experience will add value to the company.

EDUCATION

B.S. Mechanical Engineering - University of Wisconsin-Madison Expected
Cumulative GPA: 3.6/4.0 May 2008
Dean's list all seven semesters

EXPERIENCE

Polaris Industries - Wyoming, MN June '07 - August '07
Engineering Intern - Designed advanced steering components and other various parts for a new vehicle to be released in 2008. Designed, set-up, oversaw, and analyzed extensive steering and handling tests of same vehicle. Provided marketing support for various events which included speaking with district sales managers, business speakers, and film crews.

Polaris Industries - Wyoming, MN June '06 - January '07
Engineering Co-op - Project engineer for newly released Ranger RZR. In charge of all testing and validation: developed component and system level test procedures, designed test fixtures in ProE, setup data acquisition hardware and software, ran or oversaw the testing, analyzed the results, and made decisions whether changes should be made. Worked closely with manufacturing, test, and design engineers, technicians, suppliers, and marketing personnel. Oversaw assembly line builds. Integral member of the Press launch team.

UW-Madison Formula SAE Racing Team 2003-present
Suspension Group Leader - Led the suspension team to the 2007 FSAE championship, beating 130 other universities from around the world. My innovative designs also helped us win 1st place in the prestigious design event. As leader I oversee the design, modeling, and construction of the entire suspension system, set up and analyze static and dynamic tests, and manage roughly 20 members of my team. Member of SAE international.

Grainger Hall Technology Support Center - Madison, WI 2005-2006
Computer Lab Consultant - Maintain computers and printers in multiple labs and perform minor software, hardware, and network troubleshooting. Customer service

Forward Management Inc. - Madison, WI Summer 2005
Maintenance Technician - Performed maintenance work on apartments all around Madison. Trusted with a full set of keys for every building. Skilled in roofing, kitchen/bathroom remodels, residential electrical, plumbing.

Cabinet Source Inc. - Milwaukee, WI Summers/Winters 2001-2004
Maintenance Engineer - Maintained and repaired CNC routers, CNC doweler, CNC edgebander, air compressors, forklift, air/electric power tools and five vehicles. Manufactured and installed custom cabinetry.

Professional Shifter Kart Racing 2000-2003
Raced a 125 mph shifter kart in the national SKUSA series. Rebuilt entire engine and transmission and performed porting work. Gained extensive knowledge of vehicle dynamics and learned to setup and tune the chassis and engine to changing conditions using graph readouts of on-board data system. Also earned valuable experience in public relations.

SKILLS

Manufacturing - Lathe, mill, Mig, stick, Tig, plasma cutter, sheet metal, all woodworking tools.
Programs - AutoCAD, SolidWorks, UniGraphics, ProE, DreamWeaver, Maple, MatLab, EES, ADAMS, CarSim
Data Acq - AiM, RacePak, Rouch, Pi.
