

Matthew Gustafson

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Am offering hands-on experience in Baja SAE, SolidWorks, new product development, problem solving, testing, DAQs, PLCs, dynamometers, strain gauges, engineering design, drafting, prototyping, manufacturing, technical writing, presentations, and teamwork applications.

EDUCATION

B.S. in Mechanical Engineering Technology
LeTourneau University, Longview, TX
Graduation: Dec, 2011
GPA: 3.46

Additional Education: Mechanical Engineering
Cal Poly, San Luis Obispo, CA (3+ years)

PROFILE

Baja SAE Senior Design Project: Have two years experience of designing, fabricating, and testing off-road vehicles and competing in Baja SAE 2010 and 2011. Senior member on LETU's 2011 five person Baja Team. Required skills: teamwork, self-direction, statics, dynamics, kinematics, SolidWorks, engineering design, attention to detail, welding, machining, power tools, technical writing and presentations.

Leadership: Leader of the Front Suspension and Steering Sub-Team for Baja SAE 2011. Served as team leader of a three person team required to design, construct, and test a rubber band powered cable car required to stop at specified distances.

Computer Skills: SolidWorks, LabVIEW, MatLab, Microsoft Word, Microsoft Excel, and PowerPoint.

EXPERIENCE

Manufacturing Technician: *Ultra Stereo Labs Inc.* (Summer 2010)

- Tested electronic boards requiring the use of computers, multimeters, and soldering irons.
- Quality control of final products before shipping.
- Organized and managed stock room.

CAD Design Technician: *Cloud Company*, San Luis Obispo (Summer – Fall 2008)

- Created 3D models and technical drawings of production parts with SolidWorks.
- Met regularly with the shop floor manager and other machinists to ensure quality drawings before use on the shop floor.
- Shop experience included cleaning, de-burring, assembling, and keeping inventory of parts. (Spring 2007)

Manufacturing Technician: *Arbiter Systems Inc.* (Jun. 2007 – Mar. 2008)

- Assembled products requiring soldering skills and the use of power tools.

HIGHLIGHTS

SAE Member since April 2010 (Baja SAE Senior Design Member)
Bank of America Award in Laboratory Science
American Legion Academic Scholarship
California Scholarship Federation Member (and CJSF)
Awarded 1st Place in PGA's Roller Coaster Competition two consecutive years
Missions trip to Tijuana, Mexico
Participated in a school sponsored community service project