

John Patrick Reedy

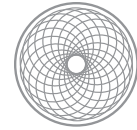
MECHANICAL ENGINEER

3390 E Huron River Dr.

Ann Arbor, MI 48104

406-570-9894

patrickreedy@gmail.com



Professional Objective:

My ultimate career goal is to use my education and skills to reduce the impact of society on the environment and promote sustainability for future generations. I have a strong interest in energy efficient buildings and alternative/renewable energy.

Education:

B.S. Mechanical Engineering, Montana State University

Bozeman, MT, Completed: December 2007. Cumulative GPA: 3.82, Highest Honors.

Qualifications Summary:

Hardworking: Worked an average of 35 hours/week while going to school full time and maintaining 3.82 GPA.

Presentation Skills: Excellent written and oral presentation skills. Created and presented regular updates, research presentations, and project proposals to upper management.

Communication Skills: Regular communication via email and TV conference with Japan design team. Given the language barrier, effective communication with Japanese staff requires clear and concise communication to insure proper understanding.

Project Planning: Created project schedules ranging from 6 months to 3 years. Coordinate with multiple groups to insure all aspect of the project were covered and each group met required milestones.

Target Setting: Worked to set targets for cost, mass, and efficiency during development projects. Responsible for reaching these targets through innovative thinking and collaboration with suppliers and design staff.

Problem Solving Skills: Experience solving field quality issues by identifying root cause and developing effective countermeasures following strict deadlines.

Drafting and Computer Skills: Proficient in Pro-E, Pro-E Mechanical, Microsoft Office, and both Macintosh and Windows operating systems. Experience in Solidworks, COSMOSWorks, Mastercam, and MathCad.

Fabrication Skills: Self-taught fabricator with experience using MIG welder, manual mill, lathe, press break, metal shear, drill press, and other tools including programing and running a 3-axis CNC mill.

Professional/Engineering Experience:

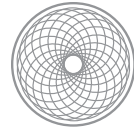
Toyota Motor Engineering & Manufacturing North America, Inc.

Associate Engineer in Drivetrain Engineering, Ann Arbor, MI: 2/2008-Current

- Automatic Transmission and Component Design.
 - Part design, FEA, solid modeling, and drawing creation using ProE.
 - Prototype part approval: material, dimensional specifications, and evaluation review.
- New Technology Development for Automatic Transmission.
 - Developed research project from concept to prototype validation.
 - Met targets for cost, durability, efficiency, quality, and shift performance.
- Design Capability Expansion for Driveline Components.
 - Lead Engineer responsible for growing North American design capability.
 - Create plan for knowledge transfer and facilitate regular meetings with suppliers and Japanese design team.
- Quality Investigation and Improvement Activity.
 - Led investigations into field quality issues, working to identify root causes and develop countermeasures.
 - Communicate proper handling and process improvements to assembly and manufacturing plants.

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Professional/Engineering Experience Continued:

Bobcat Motorsports; Formula SAE Automotive Team

Powertrain Team Leader, Vice President: Montana State University, Bozeman, MT 8/2006-12/2007

- Formula SAE is an international collegiate design competition where students design, build, and compete with a Formula One style race car.
- Responsible for design and development of engine and drivetrain components using CAD/CAE and engineering design theory.
- Collaborated with design teams to integrate powertrain with other vehicle components.
- Built car with manufacturing methods including: CNC machining, manual machining, composite molding, and welding.
- Other responsibilities included organize club activities, lead club meetings, organize design team integration, and assist in fundraising efforts for club.

Extracurricular Activity:

Gears and Beers, Ride to Cure ALS. Ann Arbor, MI 1/2009- Current

- Ride Planning Committee Member: responsible for route planning.

Team Toyota Cycling; Ann Arbor, MI 3/2008- Current

- Group leader of 40 team members who participate in rides to raise money for charities across MI.
- Responsibilities include communicating between riders and event organizers to arrange team entry and securing corporate funding.

Automotive Repair and Rebuilding;

- Restored and rebuilt two Toyota Land Cruisers, a third is currently in process of being restored.
- Experience with general automotive repair, fabrication, and body work.

Honors:

Deans List: Achieved 3.5 GPA or better in 9 out of 11 semesters of my college career.

Presidents List: Achieved 4.0 GPA in two semesters.

National Society of Collegiate Scholars: Member of Montana State University Chapter of NSCS.

Pi Tau Sigma: Member of Montana State mechanical engineering honor society.

Previous Work Experience:

Bike Salesman: Two Wheel Tango, Ann Arbor, MI 4/2008-8/2008

- Fit customers to proper bikes and accessories.
- Bike tuning and maintenance.

Ski/Bike Salesman: Chalet Sports, Bozeman, MT 8/2005-12/2007

- Fit customers to proper skis, bikes, accessories, and custom boot fitting.
- Tune skis and bikes, organization, and ordering.