**Jason A. Scharold**

45 Spear Drive Bowdoinham ME 04008

Home :(207)-666-3956 Cell :(207)-522-3247

jason.scharold@umit.maine.edu

**Profile**

Energetic, dependable student currently enrolled at the University of Maine pursuing a degree in Mechanical Engineering Technology. Seeking a job related to my major and welding skills. Fluent in Solid Edge CAD, engineered drawings, and part inspection. Accomplished in welding processes including MIG, TIG, shielded metal arc stick, and brazing. Trained to weld steel, stainless steel and aluminum. Proficient in the use of plasma cutters and acetylene torch.

**EDUCATION**

University of Maine Orono, Maine

*Mechanical Engineering Technology* September 2009 – expected graduation date may 2013

Coursework includes: introduction to Electrical engineering, Machining, and Proficiency with CAD/ Solid Edge

Class Projects

* Assembly Team Leader on a A.S.E. Formula One Chassis class project. I cut and welded the entire chassis completing the chassis two months ahead of schedule. During the inspection of the chassis, no weld defects or deviations from the plans were noted.
* Instrumental in the class project of building a steam engine. From start to completion I ensured all the parts were with the specifications of blueprints, and dedicated extra time to the assembly and adjusting for peak performance.
* Designed and built work vise from scratch. Was built and completed 3 weeks before due date and within blueprint specifications.
* Programmed CNC mill and lathe to create 2 custom projects.
* Classes include :
	+ Thermodynamics
	+ Statics, Dynamics
	+ Strength of materials
	+ Fluid Mechanics
	+ Electrical fields and circuits
	+ Properties of Materials
	+ HAVC
	+ Project Management
	+ Physics
	+ Automotive engineering
	+ Differential and integral calculus
	+ CNC and CAD
	+ Machine tool class for 2 semesters

Maine Vocational Region 10 Brunswick, Maine

*Vocational Metal Fabrication and Welding Diploma* September 2007 - May 2009

2 years of welding and metalworking including, Trained in M.I.G., T.I.G., Stick welding, Torch cutting and welding, plasma cutting, and basic metal fabrication including Steel and aluminum welding and working processes.

**PROFESSIONAL EXPERIENCE**

Sears Automotive Brunswick, Maine

Automotive Technician I. August 2008 - September 2009

Automotive technician I. Qualified in basic car maintenance, repair, and automotive

Troubleshooting.

Tractor Supply Company, Brunswick, Maine

Team Member / Product Assembler. June 2010-June 2012

Advanced Auto Parts

 Team Member and Parts Pro, June 2012-Present

Contracted Project

I contracted to organize a Sears Parts and Repair van. They carry many different belts and were having difficulty in locating the proper belt when needed. I designed a hanging rack that utilized the unused space near the ceiling while neatly separating the belts for easy access. The Sears representative was so impressed he placed an additional 10 units for the vans in his area. The racks were planned, assembled and delivered on budget and ahead of schedule. Spring 2008

**TECHNICAL SKILLS**

* Drafting and inspection, use and application of Solid Edge CAD. Acquired Machining skills of lathe, drill press and milling machine. Able to interpret, program, machine and inspect manufactured parts to proper specifications and tolerances. Also fluent in CNC programming and running.
* Trained in MIG, TIG, shielded metal arc stick, and brazing. Comprehends the processes of machining steel, aluminum and various alloys.

**Current Senior Design Project**

* Currently working on the S.A.E. Clean Snowmobile Challenge, our goal is to compete in the 2013 competition in March. The objective of the Clean Snowmobile Challenge is to take a Commercially available Stock snowmobile and convert it to run on any mixture of ethanol form e85 to e40 with better emissions, quieter overall ride noise’s, and no loss in power. I currently am in charge of the tuning and testing of the sled.