

SETH M. TAYLOR

smtaylor@mtu.edu

Local Address

1117 E Houghton Ave
Houghton, MI 49931
(810)-441-9260

Permanent Address

3595 Chesterfield Dr.
Lapeer, MI 48446
(810)-664-6770

OBJECTIVE: To gain experience and knowledge in the field of mechanical engineering.

EDUCATION: **Michigan Technological University (MTU), Houghton MI**

- BS Mechanical Engineering (Expected Dec 2010)
- Cumulative GPA: 3.50

Lapeer West High School, Lapeer MI

- Advanced Placement courses in Math and English
- Graduated 49th out of 250 with a cumulative GPA of 3.4
- National Honor Society Member

PROJECT

EXPERIENCE: **MTU EcoCAR Enterprise** 2009-present

- Developed hybrid vehicle chassis components
- Performed packaging analysis for hybrid vehicle components

MTU Mini-Baja Enterprise 2005-2008

- Designed and developed rear suspension components
- Developed documentation program for vehicle operations
- Assisted with the planning of the '06 & '07 national Winter Baja Event

WORK

EXPERIENCE: **Toyota Engineering North America, Ann Arbor MI** Spring/Summer 2008

Co-op, Design Engineering

- Created and managed 100+ production part drawings
- Supported multiple supplier drawing reviews
- Performed benchmarking studies

Delphi Corporation, Saginaw MI Summer 2007

Internship, Product Engineering

- Designed programming and assembly fixtures
- Verified prototype parts met specifications
- Interfaced with contractors and suppliers

Co-op, Product Engineering Fall 2006

- Conducted and maintained a competitive analysis
- Assisted engineers with multiple vehicle programs
- Designed miscellaneous tooling and gauges

Internship, Manufacturing Engineering Summer 2006

- Improved assembly line productivity by 30%
- Conducted and maintained a machine down-time study
- Assisted with a broach tooling capability study
- Developed a service manual for broach tooling

The Lapeer County Press, Lapeer MI 2000-2005

Paper Delivery/Shipping & Receiving

- Delivered Sunday morning newspapers
- Loaded and unloaded newspaper shipments

SKILLS:

Technical

3 Years of mechanical drafting
GM Advanced Drivers Training
Extensive automotive knowledge
Computer hardware knowledge
MIG & TIG welding
Shop Safety

Computer

Microsoft Office
Adobe Photoshop
CATIA V5
Unigraphics NX3+
Mathematica
Matlab

LEADERSHIP: **McNair Hall Association Student Government (MHA)** 2005-2007

- Hall representative & treasurer
- Served as a liaison for the students and the organization