

Current:  
407 Shelden Ave. #10  
Rd.  
Houghton, MI 49931  
(906) 869-3171

Permanent:  
370 Gardner  
Trout Creek, MI 49967  
(906) 852-3322

**Thomas P. Besonen**  
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**OBJECTIVE:** A mechanical engineering career opportunity focused on manufacturing or design.

**EDUCATION:**

- Michigan Technological University, Houghton, MI  
BS Mechanical Engineering, June 2006  
**GPA – 3.80**
- Ewen-Trout Creek High School, Ewen, MI. Graduation: 2002 (GPA – 3.92)

**WORK EXPERIENCE:**

- American Medical Systems Internship (May-August 2005) Minnetonka, MN
  - Quality Engineering
    - Organized and conducted new product validation testing
    - Created and maintained product quality assurance documentation
    - Created supplier quality reports and helped plan corrective action
    - Worked to minimize 100% inspection on supplier parts in order to reduce costs while maintaining quality
- Mercury Marine Co-op (June-December 2004) Fond du Lac, WI
  - Quality Engineering
    - Lead Quality Engineer (25-50 hp 4-stroke machining)
    - Compiled and Analyzed Machining Capability Studies
    - Troubleshoot and adjusted high accuracy gages
    - Pinpointed and planned corrective action for quality problems
    - Maintained scrap data for new products
- John Pollky Construction (Summer 2003) Bruce Crossing, MI
  - Assembled, designed, and repaired structures.
  - Poured and finished concrete

**COMPUTER SKILLS:**

- Operating Systems: Unix, Windows, Mac
- Software: I-DEAS, AutoCAD, MathCAD, Visio Tech, Microsoft Office, Star Office, West Point Bridge Design, SPICE, MatLab

**TECHNICAL SKILLS:**

- Understanding of high-accuracy gages
- Training in Geometric Dimensioning & Tolerancing
- Experience with Lean Production Methods
- Familiarity of machining processes
- Experience with Finite Element Analysis
- Metal Fabrication: Welding, Lathe, Metal working
- Extensive experience with supplier quality

**ACCOMPLISHMENTS:**

- MTU Board of Control Scholarship recipient (4 year Full Tuition Scholarship)
- College of Engineering Research Scholars Program member
- **SAE Clean Snowmobile Challenge member (Chassis Team)**