

# John Doe

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## OBJECTIVE

To obtain a summer 2013 Internship in the field of Mechanical Engineering

## EDUCATION

Michigan Technological University  
**BS Mechanical Engineering (Senior Status)** Houghton, MI  
Minor: Mathematical Sciences **Expected 2014**  
Minor: Aerospace Studies  
Departmental GPA: 3.77 (Overall 3.70)

## INTERNSHIP EXPERIENCE

Nercon Eng. & Mfg., Inc. Oshkosh, WI  
**Mechanical Engineering Intern** May - August 2012

**Project:** Nercon Universal Design – AutoCAD, MS Excel, Autodesk Inventor  
**Objective:** Create “Total Package” to implement Nercon Universal Design Standards

**Project:** TCM Commodity Code Cleaning – MS Excel  
**Objective:** Verify and revise rules for data entry; scrub data to new Company standards

**Project:** Motor Mount Disconnect Bracket Redesign – AutoCAD  
**Objective:** Modify current design to allow additional 10° rotational freedom

**Project:** Idler Wheel Safety Design – AutoCAD  
**Objective:** Research and develop new Idler Wheel to decrease pinch point area

## ENGINEERING PROJECT EXPERIENCE

**Project:** Engineering Design Process, Automated Recycle Sorter, Project Leader  
**Objective:** Design a cost effective automated recycling sorter

- Simulated purity level of stream at different sorting stages using MATLAB
- Communicated final product to customer and others using various mediums (Oral Presentations, 47-page Final Report)

**Outcome:** Developed a recycle sorter that maintained 98% purity at 3 tons/hour with annual operating cost of \$177,000

**Project:** Lemelson-MIT InvenTeam, Project Eco-Fridge  
**Objective:** Design a refrigerator that leverages winter temperatures to increase efficiency

- Project Co-Leader, Communication, Financial, and Electrical Systems Leader
- Performed Energy Analyses on multiple pump & radiator configurations
- Gathered experimental data to refine prototype using thermistors and DAQ unit

**Outcome:** developed a refrigerator prototype that reduced energy usage by 82% over an average 4 month winter

## MILITARY EXPERIENCE

**Air Force ROTC** - Michigan Technological University  
Superior Performer – Field Training Maxwell 2, Spring 2011 – graduated top 20% of cadets based on **leadership, professionalism, communication, and decision making in a high stress environment**

## VARSITY ATHLETE EXPERIENCE

Michigan Technological University Varsity Track and Field Team  
**2 year Letter Winner – GLIAC All-Academic Honors - USTRCCCA**

- Balanced 3 hour daily practice and bi-weekly race travel with full-class schedule
- Studied, learned, and executed numerous race strategies and systems
- Learned and practiced troubleshooting and problem solving techniques in high stress, real-time competition environment
- **Developed teamwork, communication skills, time management/prioritizing skills, competitive character, highly disciplined work ethic, and performance excellence**

## COMPUTER/TECHNICAL SKILLS

▪ UGNX ▪ MATLAB ▪ Microsoft Office Suite ▪ Autodesk Inventor ▪ AutoCAD Mechanical ▪