

Jake Dunda

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Local Address
810 Hancock Street
Hancock MI 49930

Permanent Address
1424 W. Knife River Rd.
Two Harbors, MN 55616

Education: **Michigan Technological University (MTU)** Houghton, MI
B.S. Electrical Engineering May 2009
GPA: 3.04
Lake Superior College Duluth, MN
• Concurrent enrollment while attending high school 2004-2005

Project

Experience: **MTU Challenge X Hybrid Vehicle Competition** Fall 2006 to Present
Team Member: Electrical/Controls

- Mototron training on Mathworks campus including Simulink, Mototune, motor/generator controls and CAN communications
- Currently working to implement a 128 pin Mototron controller for engine control on a dynamometer mounted 1.9 liter engine for emissions testing.
- Aiding in creation of controls logic for electric motor assist
- Creating and giving presentations to the team and GM representative
- Team leader on the series hybrid formula car sub-team as well as head of electronics and controls.

Skills:

Computer: NX3, Matlab and Java, Mathematica, Microsoft Word, Excel, Viseo, Powerpoint, Simulink, Mototune

Technical: Multimeter, oscilloscope, DC power supplies in conjunction with circuit construction, soldering, welding, reading schematics, Mototron hardware

Work

Experience: **MTU Summer Youth Programs** Houghton, MI
Receptionist, Data Entry Fall 2006

- Enter phone/written applications into computer system
- Worked 8 hours a week while enrolled in school full time

Rozsa Center for the Performing Arts (MTU) Houghton, MI
Scene Construction Assistant 2005 to 2006

- Built scenery for theatrical performances
- Passed safety certifications for operating power tools
- Worked 8 hours a week while enrolled in school full time

Community Connections Inc. Lincoln, NE
Internet Help Desk Technician 2002 to 2005

- Helped Internet subscribers from three states troubleshoot computer problems via email, phone conversations, and instant messaging
- Teamed with coworkers to resolve problems while maintaining composure during stressful situations with subscribers
- Managed multiple help requests at once to maximize efficiency

Accomplishments:

Maintained a grade greater than 100% in Java programming
Assembling/troubleshooting a dozen PC computers and home networks
Served as hall Vice President during freshman year