

Trever James Hassell

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Objective: To obtain a full time position focused in the field of Electrical Engineering.

Education: **Michigan Technological University (MTU)** Houghton, MI
M.S. Electrical Engineering Expected May 2011
• Power Electronics/Controls
B.S Electrical Engineering May 2007

Jackson Community College (JCC) Jackson, MI
A.S, A.A.S-Electrician, Electrician Certificate May 2004

Jackson Area Career Center (JACC) Jackson, MI
Construction Cluster Trades September 1996 to May 1998
• Carpentry/Masonry,
• Heating/Air Conditioning/Ventilation
• Electrical/Plumbing

Work

Experience: **Cummins, Inc.** Columbus, IN
Light Duty Diesel Controls- System Test Engineer June 2007 to Present
• Responsible for the validation and regression testing of Core II model based controls software for VPI value package introduction and project specific test platform development for LDD engine and aftertreatment system utilizing ATE systems(ACCEPTS), system bench, platform vehicle, and cyberbench capability.
• Develop common automated and manual test initiatives in support of common OEM controls capability and OEM specific test coverage.
• Ownership for the development and implementation of ATE automated test platform.
• Support bench, engine test cell, and vehicle controls validation and debugging as required.
• Support customer testing, including hot and cold trips, altitude testing, etc.

Entergy/Vermont Yankee Vernon, VT
Engineering Intern January 2006 to May 2006
• Collected, processed, and analyze strain gage signal data for Steam Dryer Ascensions
• Packaged and prepared documents and spreadsheets for Nuclear Regulatory Commission submittal

Reinker Controls Inc. Concord, MI
Electrical Apprentice November 1997 to April 2002
• Draft electrical schematics using AutoCAD
• Complete wiring of components within electrical control panels
• Interfaced control panels with industrial grade equipment
• Performed troubleshooting of RS Logix Programs

Skills:

Computer:

Operating system: Windows, UNIX, and Linux
Language: Java, Matlab, Verilog
Software: Matlab/Simulink, Mathematica, P-Spice, Labview, MAX-plusII
MS Office (Excel, Word, PowerPoint)

Technical:

Machine control (PLC) on pneumatic, electric and electronic systems
Electronics (circuit, multimeter, oscilloscope, spectrum analyzer, frequency generator, Soldering)
Power tool operation, Carpentry, Plumbing, Machining, Welding

Accomplishments:

Volunteer work with Habitat for Humanity Brown County Indiana
Electrical Learning Center Coach- (2005-2007, MTU)
IEEE MTU 809 Lab Manager- (2005-2007, MTU)
MotoMan XRC Basic and Advanced Robotic Programming (November 2000)
Outstanding Achievement Award- (1998, JACC)
Volunteer work with Habitat for Humanity (Brown County, Indiana)

References: Available upon Request