

Jared Cave

107 S Center St Apt 407
Shenandoah, IA 51601

jaredcave@gmail.com
269-718-3175

Objective

To obtain an engineering development or consulting position with an emphasis in electrical-mechanical control systems and automation integration.

Skills

- Engineer Skills – 6 Sigma Green Belt (training with experience, not certified), project management, dynamic systems modeling and control, thermodynamics, data collection and analysis, machine design, fabrication, cost reduction, machine shop experience
- Automotive Mechanics – Understanding of concepts of automotive mechanics for diagnosis and repair, preventative maintenance
- PC Software/Hardware – Windows, Mac OSX, Microsoft Office, Project, Lotus Notes, Outlook, Minitab, Matlab
- CAD – 3D Parametric Modeling – Pro Engineer Wildfire 2.0, SolidWorks, Mechanical Desktop, Team Center, Interlink

Education

Iowa State University, BSME

Bachelors of Science: Mechanical Engineering

Ames, IA (Fall, 2008)

Masters of Engineering: Mechanical Engineering

Ames, IA (Expected Grad. Fall 2011)

Work Experience

Eaton Corp., LDP-OE, Industrial Sector

Material Systems Analyst (6/10-Present)

- Optimize inventory with lean systems – functional teams leadership, quantitative methods of operating pattern
- Improve material flow through manufacturing – reorganization of material parking lot, visual aids

Product Engineer (2/09-5/10)

- Production support – Transmission manifold, Cylinder deactivation manifold
- Project management – plastic molding, 8D
- Product testing, validation, benchmarking
- Improve end of line testers – accuracy, repeatability

Caterpillar Inc., Electronics & Connected Worksite Division Mossville, IL

CAT Electronics Intern – Continuous Product Improvement (1/08-4/08)

- Validation of failure modes
- Development and testing of solutions

Caterpillar Paving Products Inc. Brooklyn Park, MN

Hydraulics Testing Intern – Test Apparatus Design (5/07-8/07)

- Development of tests for paving feeder system
- Fixture design and implementation
- Source parts from outside suppliers
- CAD drawings and fabrication layout

Activities

- Automotive maintenance and repair.
- Building PCs – System design planning, locating parts, assembly, troubleshooting
- Hobbies – PIC MCU, Digital photography, ballroom dancing, BMW motorcycles, web hosting

Volunteer Experience

- Charlotte Christian Reformed Church - Deacon (1/10-6/10)
 - Outreach, Assist with needs within the church, Church maintenance
- Gilbert Volunteer Fire Department (9/04-12/08)
 - Ongoing firefighting training, responding to fire calls at any time, planning and helping with community events and fundraisers