

## Experience

- **Meritor, Inc.**

*Design Engineer*

**Troy, MI**

*June 2008 - Present*

- **Pneumatic Systems Design.** Designed and developed pneumatic systems for both prototype and production automotive projects. In this role I designed for many manufacturing methods (for example, machining, casting, injection molding, sheet metal), worked with suppliers, tested components and directly supported and interfaced with customers and engineers from other disciplines.
- **Advanced Suspension Systems Design.** Designed advanced suspension system components including active air spring modules and adaptive dampers.

- **Hawk Ridge Systems**

*Application Engineer*

**Bothell, WA**

*April 2007 - June 2008*

- **SolidWorks Software Demonstrations.** Demonstrated the product to perspective customers so that they would see the strengths of the product and understand how it would bring value to their company. Presented to company decision makers and engineers.
- **Training.** Trained SolidWorks users in a five-day class covering topics including part modeling, assemblies, drawings, sheet metal and file management.
- **Technical Support.** Used a variety of methods to solve customer's technical issues. Developed skills in problem diagnosis, troubleshooting, communication and taking ownership of problems to insure their resolution.

- **OptimumG**

*R&D Engineer*

**Denver, CO**

*June 2005 - June 2006*

- **Software Development.** With a team of engineers, designed and developed OptimumK, a software package for kinematic analysis of automotive suspensions. I also developed a business model for the project and introduced the OptimumK at a major industry trade show.
- **Engineering Consulting.** As a consultant to a NASCAR team I was responsible for on-track data analysis and communication of the results to team management. I was also required to maintain the 40 sensors used for data acquisition.
- **Seminar Material Development.** Developed new material for the data acquisition and vehicle dynamics seminars offered by OptimumG.

- **Spatial**

*Intern - Quality Assurance*

**Broomfield, CO**

*June 2004 - August 2004*

- **Test Development.** I served as an intern in the Quality Assurance department where I developed a new testing method for the ACIS 3D kernel. My method automated the process of testing thousands of simple models so that problems could be pinpointed.

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## Education

- **University of Colorado**

*B.S. Mechanical Engineering, Economics Minor*

**Boulder, CO**

*August 2000 - May 2005*

- Dean's List Spring 2005
- EIT in Colorado
- Formula SAE Team member, 2000-2005

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## Software Competencies

**Software:** SolidWorks (CSWP, CSWP Surfacing and Sheet Metal), SolidWorks Simulation, Pro/E, MS Office, ~~FFX~~

**Programming Languages:** Python, C#, VB.Net

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## Awards

- Winner - 2005 Joyce Undergraduate Business Plan Competition at the University of Colorado
- ArvinMeritor Gold Engineering Achievement Award 2008 - 2009
- Meritor Silver Engineering Achievement Award 2010