

Leah Samson-Samuel
Madison Environmental Group, Inc.

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Education

B.S. University of Wisconsin, Madison, Mechanical Engineering. 1998.
Certificate University of Wisconsin, Madison. Environmental Studies. 1998.

Professional Experience

- 2009- **Madison Environmental Group, Inc.** Madison, Wisconsin
Sustainability Consultant. Provides consulting services for sustainability planning, greenhouse gas emission assessments, and green building projects including LEED certification management and construction waste recycling.
- 2004-2006 **Placon**, Madison, Wisconsin
Product Designer-Placon Products Division. Designed retail thermoformed plastic packaging using SolidWorks. Maintained documentation and customer specifications in compliance with ISO 9000 standards. Managed projects from conceptual stage to on-going manufacturing.
- 2002-2004 **Placon**, Madison, Wisconsin
Process Engineer. Provided finished product that met Placon and customer specifications. Investigated and solved processes that were not running at quoted CPM, were not meeting product specifications, or had repeated down time. Analyzed and communicated capability study results. Wrote training manuals and work instructions on operation of equipment complying with ISO 9000. Implemented cost savings initiatives; increased CPM of manufacturing equipment, reduced downtime, and achieved scheduled efficiency.
- 2000-2002 **Placon**, Madison, Wisconsin
Product Designer-Custom Products Division. Worked directly with customer's design and marketing staff to design retail, medical, and food thermoformed plastic packaging using SolidWorks. Maintained documentation and customer specifications in compliance with ISO 9000 standards. Managed projects from conceptual stage to on-going manufacturing.
- 1999-2000 **Placon**, Madison, Wisconsin
Tool Designer. Designed form and trim tools using ExpertCAD and SolidWorks. Designed tools for Irwin, Illig, and Brown thermoforming machines.
- 1998-1999 **Placon**, Madison, Wisconsin
Contract Engineer. Performed a Design of Experiments study to determine the relationship of process settings on product crush resistance. Wrote a report and implemented the optimum machine settings for greatest crush resistance.
- 1994-1997 **University of Wisconsin**, Madison, Wisconsin
Senior Assistant. Instructed 12-18 freshman students through design process from brainstorming to presenting a final product.
- 1996-1997 **RecycleWorlds Consulting**, Madison, Wisconsin
Project Engineer. Researched glass recycling technologies to improve the glass recycling process.