

# Elizabeth H. Smith

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## PROFESSIONAL EXPERIENCE

### **WILEY CONSULTING, LLC – Centennial, Colorado**

#### **Designer/Drafter**

**8/2006-present**

- Designed support structures for heavy machinery. Completed stress, tolerance, weight & CG analyses during design process.
- Drafted part and assembly drawings as needed using SolidWorks 2007.

### **NEWPORT CORPORATION – Irvine, California**

#### **Designer/Drafter**

**1/2006-6/2006**

- Created detail drawings for custom opto-mechanical and positioning products.
- Drafted over 100 part and assembly drawings using SolidWorks 2005 with PDM Works and AutoCAD 2000.

### **BLACK & DECKER, HARDWARE AND HOME IMPROVEMENT – Lake Forest, California**

#### **Project (Value) Engineer**

**6/2005-10/2005**

- Re-designed internal/external knob and lever assemblies to reduce the cost while maintaining the financial and aesthetic value.
- Used ERP system extensively to find the financial and production impact of altering a component.
- Reviewed and presented solutions for products not currently passing BHMA standards.

### **HARTWELL COPORATION – Placentia, California**

#### **Project Engineer**

**10/2002-4/2005**

- Reconfigured over ten current latching designs to meet customer specification requirements.
- Responsible for ensuring new product designs and proposals met customer specifications and satisfaction. Served as a team lead for two engineers.
- Successfully wrote the proposal for a series of A318 hook latches causing an increase in sales revenue of over \$900,000 over 10 years.
- Maintained multiple project books and presented documentation to ISO auditors allowing ISO9001 certification of the New Product Development department.

## LICENSES/MEMBERSHIPS

- Professional Engineer's License No. 33603 (California, April 2006)
- EIT License No. 107799 (California, October 1999)

## SOFTWARE APPLICATIONS

- SolidWorks 2007 (with PDM Works)
- Microsoft Suite (Project, Word, Powerpoint, Excel, Outlook, Visio)
- ERP – MFGPro, MAPICS

## EDUCATION

- PhD, Mechanical Engineering, Colorado School of Mines (start Fall 2008)
- Project Management Training, University of California, Irvine, 2003
- MS, Mechanical Engineering, University of California, Irvine, 2001-2002
- BS, Mechanical Engineering, Loyola Marymount University, 1996-2000