

Six Sigma Black Belt, Environmental Engineer (P.E.), MBA, Team Player

Summary:

- Certified Six Sigma Black Belt with hands-on experience
- Cost savings achieved through application of lean manufacturing and Six Sigma
- Environmental Engineer with exceptional quantitative and analytical skills
- MBA and BSE in Civil/Environmental Engineering, Licensed P.E.
- Experience in production management, process improvement
- Leader, team player, positive, energetic
- Consultant in environmental stewardship, leadership, strategy, risk analysis

Experience:

Standard Register Company, Middlebury, Vermont

2005-2007

Six Sigma Black Belt

- Certified by both outside consultant BMG and internal division directors
- Saved company \$200,000 and reduced lead times by 6 days, freeing \$1.9 million in asset capacity
- Reduced setup time by 30% (\$14,000 annual savings) on a key asset by leading a Lean Kaizen event of 7 team members
- Reduced setup time by 70% and travel distance by 70% on a press through participation on a Lean Kaizen team
- Used 5S, standard work, workstation design and total productive maintenance to achieve productivity gains
- Mentored and instructed 7 greenbelts on various project totaling \$600,000 annual savings
- Instructed 24 greenbelt candidates at corporate week-long session
- Helped resolve critical product failure on an \$8 million product line with Six Sigma tools in conjunction with Engineering, Sales, and the customer

Production Manager

- Supervised shop floor during critical production times in order to meet budget and keep resources focused in critical areas
- Delegated tasks across several departments in order to meet customer needs and to deal with crisis situations
- Organized and lead training trip to another facility to prepare for equipment move to our facility
- Investigated root causes of quality problems and instituted standardized work practices and corrective actions, as well as documented processes with Six Sigma tools

Rainey and Associates, Burlington, Vermont

2003

Summer Associate: Researched high tech business incubation proposals; networked with State, University officials, and local agencies in setting up structure for proposed incubators; helped organize a conference for high tech business incubation in Vermont.

TRC Omni Environmental, Princeton, New Jersey

2001- 2002

Senior Engineer: Created Access database; organized volunteer stream assessors and designed training in stream assessment; met with diverse stakeholder groups about watershed restoration; worked on a team with other specialists to complete large, complex projects on time; performed sampling, design, and calculations for wetland treatment basins and in tracking health of watershed; represented firm to outside clients.

Clough Harbour & Associates, LLP, Albany, New York **1999-2001**
Environmental Engineer: Submitted technical reports to the New York State Department of Environmental Conservation and the USEPA; designed landfill treatment systems; modeled and tracked contaminant migration; investigated properties for Environmental Site Assessments; coordinated field sampling events; completed air and water permits for clients.

TerraGraphics Environmental Engineering, Moscow, Idaho **1997-1999**
Environmental Engineer: Represented the State of Idaho's interest to stakeholders in complex negotiations; attended meetings with clients and community groups with, and in lieu of, the company's president; authored technical reports submitted to the State of Idaho, USEPA, and private law firms; organized data base containing 20 years of health and environmental data from five communities; analyzed data and prepared data summary presentations for public meetings; analyzed data for litigation assistance projects.

Education: **Princeton University, B.S.E. , Civil and Environmental Engineering,** **1997**
Departmental Award for Thesis Project

Sample Courses beyond Engineering: Science, Technology and Public Policy; Writing About Science; Process and Methods in Science and Technology Policy; Environmental Science Policy Workshop; Global Threats: A Critical Survey

Sample Engineering Courses: Thermodynamics, Fluid Mechanics, Differential Equations, Water Treatment Technology, Soil Mechanics, Hydrology, Geochemistry, System Planning

University of Vermont, M.B.A., **2005**
graduate assistant fellowship recipient, Winner of Faculty Award best MBA student, GPA 3.93

Professional Engineer, Environmental Engineering, License obtained 2005.

Skills: Proficient technical writing
Strong public speaking and presentation skills
Exceptional analytic and quantitative skills
Ability to work with many different personality types
Intermediate French and Spanish language skills
Proficient with Word, WordPerfect, Excel, Powerpoint, Access, introductory C+ programming
Experience with various technical environmental modeling packages

Leadership: **Princeton University Outdoor Action** **1993-1997**
Trained outdoor leaders in outdoor skills, group facilitation, sensitivity, event debriefing, and teamwork; administered leader training program; led multi-day trips; led groups through low-ropes course team building.

Toastmasters **1999-2001**
Presented speeches on various topics to peers; critiqued and judged presentations of other participants; honed public presentation skills through weekly speeches and regional competitions.

Volunteering: **Tutoring,** English as a Second Language, 1997-1999; Math 2003-2004.

Publication: Hibbert, Robin, Bai, Zhipeng, Navia, Jaime, Kammen, Daniel, Zhang, Junfeng, "High lead exposures resulting from pottery production in a village in Michoacan State, Mexico" *Journal of Exposure Analysis and Environmental Epidemiology.* Volume 9. Issue 4. August 1999.