

Michelle M. Voelker

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EDUCATION

Iowa State University

- Master of Science: Industrial Engineering, **May 2016**
- Bachelor of Science: Industrial Engineering, **May 2015**
- Engineering Sales Minor
- **3.68/4.00** Cumulative GPA

Ames, Iowa
August 2010-Present

WORK EXPERIENCE

Procter and Gamble

Product Supply Intern, Hair Care Packing

- Introduced second bottle size to Head & Shoulders line and decreased changeover time by 66% to increase production capability and reduce inventory.
- Developed a Best Value Option Analysis of Electronic Line Clearance for the plant to eliminate line clearance quality issues.
- Managed cross functional team to implement new auto-changeover 2D bar code case print system to reduce complexity and effort by 2 hours per day.
- Launched standardized fault codes for 45 pieces of equipment over 8 packing lines using FMECA to increase troubleshooting capability of reliability engineering tools and reduce complexity by 74%.
- Updated base condition of the 6-axis robotic case packer by defining 10 new centerlines, reapplying 15 Clean-Inspect-Lubricate procedures, and developing specific problem statements using Kaizen tools to increase equipment reliability.

Iowa City, Iowa
May 2014-August 2014

Space Exploration Technologies

Production Intern, Steering / Time Studies

- Created and managed plant efficiency metric using Microsoft SQL Server and Tableau to drive down production time and target departments for process improvements.
- Utilized BasicMOST to execute over 2500 time studies reducing overall assembly hours per launch vehicle by improving assembly processes and creating a baseline for standard operating procedures.

Hawthorne, California
January 2014-May 2014

Whirlpool Corporation, Corporate

Procurement Intern, North America Gas and Cooling Systems

- Independently managed a Supplier Sourcing Initiative to quote out \$3.7 million in refrigeration oil and introduce new suppliers to the space to decrease raw material and transportation costs by 20%.
- Developed and executed risk mitigation plan by dual sourcing \$11.8 million in parts from a financially distressed supplier.

Benton Harbor, Michigan
May 2013-August 2013

Whirlpool Corporation, Amana Division

Engineering Co-op, New Model Planning

- Independently managed and drove resolution of over 800 build issues and coordinated activities to sort and rework over 100 defective parts over a 2week period to prep for the launch of the new \$56 million XXL refrigeration platform.
- Facilitated over 70 quality and cost savings trials designed to improve assembly processes, prevent production delays, minimize scrap, and reduce costs by over \$60 per unit.
- Created Visual Basic macros to automatically generate reports and SQCD charts saving the company \$29,000 per year.
- Implemented a new door cart design to reduce scrap by 50% saving the company \$25,000 per year.

Amana, Iowa
January 2012-August 2012

PROFESSIONAL SKILLS

- Lean Sigma Yellow Belt Certified 2012
- BasicMOST Certified 2014
- Proficient in JMP, Solid Works, WordPress, Tableau, Microsoft SQL Server, and Visual Basic programming

ACTIVITIES AND HONORS

Iowa State University Honors Program

2010-2014

Honors Engineering Dean's List, Freshman Honors Program Leader

National Society of Collegiate Scholars (NSCS)

2010-2014

Public Relations Chair, Webmaster, Planning to Achieve Collegiate Excellence (PACE) Chair

Iowa State University Marching Band (ISUCF'V'MB) Trumpet Guide

2010-2014

Engineers' Week Publicity Co-Chair

2012-2013

Delaware County Iowa Volunteer

2006-2012

March of Dimes, American Heart Association, Historical Society, Vacation Bible School, 4-H Day Camps