

Michelle M. Voelker

www.linkedin.com/in/michellevoelker
mvoelker@iastate.edu

WORK EXPERIENCE

Rolls-Royce

Continuous Improvement Intern, Manufacturing Services

Indianapolis, Indiana

May 2015-August 2015

- Implemented supermarket concept to deliver a \$1.8 million cost avoidance of 58% reduction in inventory.
- Identified PM improvements to increase uptime of bottleneck machines by decreasing corrective maintenance work orders by 15%.
- Developed departmental metrics and a macro to prioritize workloads for the Manufacturing Service group.
- Supported the implementation of the Rolls-Royce Production System for the first manufacturing services group.
- Developed and provided Maximo training to the hourly skilled-trades work force.

Procter and Gamble

Product Supply Intern, Hair Care Packing

Iowa City, Iowa

May 2014-August 2014

- Decreased changeover time on the packing line by 66% to increase production capability and reduce inventory.
- Managed cross functional team to implement 2D bar code case print system to reduce effort by 2 hours per day.
- Reduced complexity by 74% using FMECA standardization to increase troubleshooting capability of reliability engineering tools for 45 pieces of equipment.
- Increased the equipment reliability of robotic case packers by 40% using Kaizen tools.

Space Exploration Technologies

Production Intern, Steering / Time Studies

Hawthorne, California

January 2014-May 2014

- Created and managed plant efficiency metric using Microsoft SQL Server and Tableau to drive down production time by 5%.
- Utilized Basic MOST to develop over 2500 time studies reducing overall assembly hours per launch vehicle by 8%.

Whirlpool Corporation, Corporate

Procurement Intern, North America Gas and Cooling Systems

Benton Harbor, Michigan

May 2013-August 2013

- Independently managed a Supplier Sourcing Initiative to quote out \$3.7 million in refrigeration oil decreasing 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.

Whirlpool Corporation, Amana Division

Engineering Co-op, New Model Planning

Amana, Iowa

January 2012-August 2012

- Resolved over 800 build issues to ensure on-time delivery of the new \$56 million XXL refrigeration platform.
- Facilitated over 70 quality and cost savings trials designed to 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.

PROFESSIONAL SKILLS

- Lean Sigma Yellow Belt Certified 2012 and 2015
- Basic MOST Certified 2014
- Proficient in JMP, Solid Works, WordPress, Tableau, Microsoft SQL Server, and Visual Basic programming

EDUCATION

Iowa State University

- Master of Science: Industrial Engineering, **May 2016**
- Bachelor of Science: Industrial Engineering, **May 2015**
- Engineering Sales Minor
- **3.70/4.00** Cumulative GPA

Ames, Iowa

August 2010-Present

ACTIVITIES AND HONORS

Iowa State University Honors Program

2010-2015

National Society of Collegiate Scholars (NSCS)

2010-2015

Iowa State University Marching Band Trumpet Section Leader

2010-2014

Engineers' Week Publicity Co-Chair

2012-2013

Delaware County Iowa Volunteer

2006-2012