

EDUCATION

Villanova University, Online Course

Completed June 2019

Lean Six Sigma – Green Belt Certificate

- Studied principles of Lean manufacturing as well as the DMAIC Methodology used in Six Sigma

University of Cincinnati, Online Program

Graduated May 2019

Master of Engineering, Mechanical Engineering

- Enhanced skills through courses including but not limited to: Quality Control, Lean Six Sigma, DFMA
- Applied 5S principles to the assembly department at Morris Machine to complete required capstone project

Purdue University, West Lafayette, Indiana

Graduated May 2015

Bachelor of Science in Mechanical Engineering Technology

- Phi Gamma Delta
- Developed competency in the application of engineering principles
- Gained exposure to various materials and processes in manufacturing

Ostfalia University of Applied Sciences, Wolfenbüttel, Germany

Completed May 2014

Purdue University Study Abroad Program,

- Studied sustainable energy technologies such as solar, wind, and geothermal power

EXPERIENCE

Morris Machine Company, Inc., Indianapolis, IN

February 2018 – Present

Manufacturing/Quality Engineer

- Ensure Quality Management System (QMS) exceeds customer, industry, and government requirements
- Draft and revise quality procedures and operating instructions
- Develop and implement quality procedure trainings for employees
- Analyze part blueprints utilizing standard GD&T to determine conformity to customer specifications
- Evaluate and disposition nonconforming hardware and if necessary, develop repair processes
- Generate case records for nonconforming hardware for customer approval
- Create Manufacturing Routers and Inspection Method Sheets
- Launch new production parts by completing and submitting First Article Inspection Reports to customers
- Issue Root Cause and Corrective Action reports in response to regulatory, customer, or internal audit findings

Yamazen Inc., Noblesville, IN

June 2017 – January 2018

Sales Engineer

- Acquired knowledge regarding machine tool products and their marketability
- Gained an understanding of the tooling process for machine tools and their applications
- Increased knowledge of metrology by learning about various inspection instruments
- Enhanced communication skills by demonstrating products to customers

Cincinnati Inc., Harrison, OH

June 2015 – April 2017

Mechanical Support Engineer

- Helped lower production cost of a laser by designing for manufacturability and sourcing alternative parts
- Used CAD software to create models of finished products as well as manufacturing drawings of components
- Designed and tested various mechanical components of the first 3D-printer used to print a functional automobile

Purdue University Biowall Research, West Lafayette, IN

August 2014 – May 2015

Biowall Research Team Member

- Developed system to disperse and measure concentrations of VOCs in a test environment

Fayette Tool & Engineering, Inc., Connersville, IN

May 2014 – August 2014

Engineering Intern

- Acquired technical writing skills by drafting and revising detailed quality control plans, tooling set-up sheets, and inspection instructions to ensure consistency and conformity with customer requirements
- Facilitated problem solving by participating in "8D Quality Assurance" meetings