

James Joseph Mayeski

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Education

The Pennsylvania State University

College of Engineering

Bachelor of Science in Industrial Engineering

University Park, PA

Class of 2014

Skills

Computer Skills

- Working knowledge of databases and queries in Microsoft Access
- Designed, tested, and improved processes using process simulation software
- Developed many models of simple and complex objects in 3D modeling software, including SolidWorks and Autodesk Inventor
- Working knowledge of Microsoft Excel, including functions and VBA

Communication Skills

- Created several reports on data tracking and quality assurance projects for quality manager
- Performed many internal audits, which required verbal communication with several people
- Produced high quality reports for several school-related projects, including labs and case studies
- Improved a company quality manual by adding several procedures, editing existing procedures, ensuring the accuracy of information listed
- Worked with a myriad of diverse individuals through several team projects throughout the engineering curriculum

Engineering Skills

- Studied manufacturing processes, including casting, machining, and welding, as well as geometric dimensioning and tolerancing
- Improved quality control processes in a manufacturing plant
- Exposed to robotics, CNC machining, and programming of manufacturing devices
- Knowledge of factory physics, MRP, and modular manufacturing
- Working knowledge of economics, including the usage of linear programming to solve capital budgeting problems, an understanding of probabilistic models, and exposure to decision trees and decision making

Other Skills

- Working knowledge of quality control and process improvement, including 5S+1, setup reduction, and lean manufacturing
- Enhanced problem solving skills through the rigorous coursework of the industrial engineering curriculum

Relevant Experience

J&J Truck Bodies and Trailers

Engineering/ Quality Assurance Intern – Somerset, PA

May 2012 – August 2012, May 2014 – August 2014

- Conducted ISO 9000 internal audits throughout the company to assure compliance with ISO 9000 quality standards
- Assisted with Lean 5S projects, including plant layout reorganization, tool reorganization, and storage area cleanup
- Performed data tracking on a large manufacturing project and generate weekly reports regarding quality metrics, including statistics for completion times, rework times, and problem areas
- Independently performed most assigned duties, including internal audits and data tracking
- Quantified profit loss through regression modeling
- Wrote new quality control procedures and updated company quality manual

The Pennsylvania State University

Mentor (Volunteer Position) – State College, PA

August 2011 – May 2012

- Acted as a representative of the Pennsylvania State University to incoming freshmen engineering students
- Assisted mentees with academic decisions, and provided information as needed
- Served as a tour guide during orientation, which included showing important buildings on campus, explaining how the academic programs worked, and providing a tutorial on how to use computer services
- Regularly checked in with mentees throughout the year, and answered any questions or concerns that occurred