



JONATHAN WILLIAMS

3688 Two Rivers Drive • Lincoln, NE 68502 • (402) 897-2233 • jwilliams10@hotmail.com

CAREER FOCUS: ENGINEERING

INDUSTRIAL | MANUFACTURING | PROCESS

- A technically astute Industrial/Manufacturing/Process Engineer with more than eight years of experience serving as an internal consultant to management in the areas of process improvement, productivity standards and development, performance monitoring, resource allocation and scheduling, and statistical analysis.
- A master at research, design, development, improvement and implementation of processes to enhance schedule performance, lower cost, and improve quality, through the application of Lean and other Industrial Engineering concepts for large scale systems integration and asset utilization.
- Proven ability to apply general industrial engineering techniques and concepts to product and process design teams throughout all phases of product lifecycle, resulting in a robust product design and work statement that meets program requirements.
- Solid knowledge of Performance Improvement methodologies including PDCA, Lean, and Six Sigma.
- Technically savvy; proficient in Microsoft Word, Excel, Access, PowerPoint, AutoCAD, Minitab, 3D CAD (CATIA), SIMUL8, and Product View.

AREAS OF EXPERTISE INCLUDE

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|---|---|
| <input checked="" type="checkbox"/> Toyota Production System (TPS) | <input checked="" type="checkbox"/> Design Change Notification / Process Engineering |
| <input checked="" type="checkbox"/> Statistical Quality Control | <input checked="" type="checkbox"/> Process Failure Mode and Effects Analysis (PFMEA) |
| <input checked="" type="checkbox"/> 5S/Six-Sigma Lean Manufacturing | <input checked="" type="checkbox"/> Maynard Operation Sequence Technique (MOST) |
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PROFESSIONAL EXPERIENCE

DARTMOUTH CORPORATION – San Diego, CA (2007 to 2009)

PROCESS ENGINEER / TOOLING ENGINEER

Developed, implemented, and maintained tooling methods, operation sequences, and processes in the manufacture or fabrication of axles for the largest supplier of medium & heavy duty axles in the US.

MAJOR CONTRIBUTIONS

- Participated in a 3-week plant-wide time/motion study (i.e. M.O.S.T) on 10 production lines on two shifts.
- Applied TPS system methodologies which ensured operational effectiveness resulting in an Overall Equipment Effectiveness (OEE) rating of 78% where most World Class plants run at 85%+.
- Assisted in the \$3.7 million automation of a new production line for a new line of medium duty axles.
- Evaluated and assessed manpower and then balanced labor on an underutilized production line and removed non-value added work resulting in increased throughput by 10%.
- Identified and reduced material costs associated with the build of a complete axle. Selected best material for the task and resulted in a 2% cost savings per axle.
- Significantly improved safety with the implementation of air hammers that prevented operators from using excessive force.

MICHELIN TIRE COMPANY – Lawton, OK (2005 to 2007)

INDUSTRIAL ENGINEER – FINIAL FINISH / SHIPPING BUSINESS CENTER

Developed, communicated, and implemented operating plans that included: output levels, equipment, staffing requirements, job descriptions and other essential functions for the largest tire producing facility in the world.

MAJOR CONTRIBUTIONS

- Developed standard work processes and management tools for manpower planning and implemented operations management metrics and reports for the Final Finish business.

PROFESSIONAL EXPERIENCE - CONTINUED

NORTHROP GRUMMAN – San Diego, CA (2003 to 2005)

INDUSTRIAL / METHODS ENGINEER

Led projects for optimizing production, analyzed production manning needs based on requirements and technical feasibility, searched for new technologies/equipment, and assisted in strategic planning. Participated in establishing plans for equipment testing, performed, established and applied standards of time studies, found solutions and provided documentation to various problems related.

MAJOR CONTRIBUTIONS

- Participated in a \$1.8 million Six Sigma project to identify all parts routed through the sub-assembly shop and developed a plan to better manage the integration of these parts to the production line. Identified cycle times and analyzed part routings before and after the sub-assembly shop.
- Assisted in a Six Sigma Stringer Gap project that analyzed stinger gaps between frames. Identified and reduced loss by eliminating material and labor costs associated with previous rework methods which resulted in savings of \$19,117 per year.
- Led a detailed cost analysis for the customer service department to assess the feasibility of relocating the external power receptacle making it easier for short pilots and ground crew personnel to plug in power cables. The project was found to be too expensive to implement at a cost of more than \$1.6 million per year.

EDUCATION & PROFESSIONAL DEVELOPMENT

BACHELOR OF SCIENCE– INDUSTRIAL ENGINEERING

University of San Diego – San Diego, CA

SIX-SIGMA TRAINING

Black Belt Training (3 Week Course) – December 2003

Green Belt Training (1 Week Course) – May 2001

ADDITIONAL TRAINING

Toyota Production System Methodology (TPS) (3 Week Course) – October 2007

PFMEA and Control Plan Training (2 Week Course) – May 2007

Value Analysis / Value Engineering Training (2 Week Course) – August 2006

TS16949 Auditor Training (1 Week Course) – July 2006

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Explanation

This particular client had great work skills and experience but he wasn't receiving any calls to interview with his self-written resume. After 14 months of unemployment he contacted me for professional assistance.

My thoughts in designing a resume allowing him to overcome the 14 month gap in employment included incorporating a more creative design. I wanted him to stand out immediately from his competition which I was successful in doing with the colorful clipart.

I also chose to bullet his qualifications and included a list of industry relevant keywords optimizing his resume for the employer's Applicant Tracking software (ATS). This format worked well in providing the employer with a list of the candidate's skills and drawing their focus away from his employment dates.

The results that my client experienced with this resume were phenomenal. After 14 months without any calls, he received calls from both Ford and Honda and was invited to interview with both. Honda soon offered him a job allowing him to return to work as an Engineer.