

## Manufacturing Engineer

Highly self motivated and goal oriented professional committed to pursuing a long term career in the engineering field. Has a proven ability to work in fast paced environments which demand strong organizational, technical, and interpersonal skills. Detail oriented and resourceful in completing projects, able to effectively multi-task, is confident and poised in interactions with individuals at all levels, and has a knack for quickly mastering technology.

### Areas of Strength

Waste Reduction



Organization



Product Development



Inventory Control



Process Selection



Machinery Selection



Facility Layout



Lean Manufacturing



Continuous Improvement



CAD / CAM Design

### Software Proficiency

Pro/Engineer



SolidWorks



Delcam PowerSHAPE



Delcam PowerMILL



MS Office

### Education

#### B.S. Manufacturing Engineering

North Dakota State University, 2007

### Professional Experience

#### Manufacturing Engineer

Cascade DAFO, Inc

2007-2009

*Manufacturer of dynamic orthoses plastic medical bracing for children and adults*

- Analyzed and planned work force utilization, space requirements, layout of equipment, materials, personnel, and workflow.
- Recommended methods for improving worker efficiency and reducing waste of materials and utilities such as restructuring job duties, reorganizing work flow, and purchase of equipment.
- Conferred with management, planning, and design staff concerning product design and tooling to ensure efficient production methods.
- Designed a new process increasing generic orthotic production by 50%, while reducing labor by 35% per part
- Initiated and provided technical direction for research and development programs to enhance and improve production methods, parts, equipment, technology, and reduce costs.

#### Product Performance Analyst

Case New Holland

2005-2007

*Manufacturer of agricultural and construction equipment*

- Responsible for documenting trends in warranty claims to prevent future failures saving upwards of \$1,000,000 in warranty claims.
- Collaborated with engineering department to fix reoccurring problems

#### Internship with Integration Technology Department

Starkey Laboratories, Inc

2003-2004

*Manufacturer and distributor of hearing aids*

- Instrumental in utilizing SLA rapid prototyping machines to produce hearing aids
- Applied engineering principles and practices
- Trained coworkers to use Pro/Engineer
- Operated various tool room machines such as mills, lathes, drills, etc
- Designed a variety of intricate fixtures for hearing aid production

#### Student Brand Manager

Red Bull North America, LLC

2004-2005

- Contributed to company success by creatively promoting the energy drink Red Bull
- Structured and maintained hundreds of relationships with students and faculty members on campus

### Other Experience

#### North Dakota State University Chapter of Tau Kappa Epsilon

- Scholarship / Philanthropy Chair
- Secretary

#### Boy Scouts of America

- Received Eagle Scout Award
- Assistant Camp Director: Voyager Bay Summer Camp