

# JOSEPH ANDERSON

**Associate Manufacturing Engineer**

Havre, MT 12345 | (406) 555-0118 | beatriz.marsh@example.com

## Profile

Manufacturing engineer with 2 years of experience supporting up to 7 production lines running aluminum and steel parts, applying SolidWorks, GD&T, and time-and-motion study methods to reduce cycle times and improve shop floor layouts. Reduced cycle time per operation from 43 to 27 minutes on a bracket welding cell by resequencing weld passes and repositioning clamp locations. Compiled time-study data across 11 workstations and maintained 0 recordable safety incidents over a 14-month span.

## Key Skills

- SolidWorks
- AutoCAD
- Minitab
- GD&T
- FMEA
- ISO 9001
- CNC machining setup
- Time and motion study
- Process routing
- Root cause analysis

## Professional Experience

Associate Manufacturing Engineer

Milk River Precision Components LLC, Havre, MT | 2025 - Present

- Reduced cycle time per operation from 43 to 27 minutes on a bracket welding cell by resequencing weld passes and repositioning clamp locations.
- Supported 7 production lines running aluminum and steel parts, reviewing engineering specifications and production schedules daily to align operator assignments with order priority.
- Achieved 0 recordable safety incidents across a 14-month span by revising PPE requirements and adding guarding to 4 CNC machining centers.
- Drafted AutoCAD layout drawings for a rearranged assembly area, shortening operator travel distance from 38 feet to 19 feet per cycle.

Manufacturing Engineering Intern

Bear Paw Valley Fabricators Inc., Great Falls, MT | 2024 - 2025

- Assisted with troubleshooting on 4 production lines, documenting root causes for 9 stoppages and recommending fixture adjustments that cut average cycle time to 34 minutes per operation.
- Compiled time-study data for 11 workstations, identifying 2 bottleneck steps that added 8 minutes of idle time per shift.
- Recommended material staging changes that reduced safety incidents in the shipping area from 3 to 1 per quarter.

## Education

Bachelor of Science in Mechanical Engineering

Montana State University, Bozeman, MT | 2020 - 2024