

# DANIEL JACKSON

**Quality Engineer II**

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## Profile

Quality engineer with 6 years of experience spanning dimensional inspection, SPC analysis, and ISO 9001 auditing in manufacturing environments. Lowered defect rates by 35% on stamped components by recalibrating CMM fixtures and revising GD&T tolerances, and estimated production cost impacts of proposed design changes with savings projections totaling $87,410. Is a Certified Six Sigma Green Belt and reports reject trends to production teams using Power BI and Minitab.

## Key Skills

- ISO 9001 QMS
- Root Cause Analysis (8D, 5-Why)
- GD&T
- Minitab
- SAP
- Power BI
- SPC
- APQP
- CMM Inspection
- Cost Analysis

## Professional Experience

### Quality Engineer II

Fox Valley Precision Manufacturing LLC, Sturgeon Bay, WI | 2023 - Present

- Resolved 47 customer complaints in 2024 by leading root cause investigations and implementing design and process changes across 3 product lines.
- Raised first-pass yield on 2 product lines from 94% to 97% by redesigning incoming inspection criteria and updating SPC control limits in Minitab.
- Coordinated ISO 9001 recertification 6 weeks ahead of the planned timeline by authoring 14 updated work instructions and closing all pre-audit findings.
- Estimated production cost impacts of 9 proposed design changes and presented savings projections totaling $87,410 to management for approval.

### Quality Engineer I

Kewaunee Ridge Metal Products Inc., Green Bay, WI | 2021 - 2023

- Ran gage R&R studies on 9 measuring tools each year and replaced 3 that failed, so inspectors could trust their readings.
- Lowered product defect rates by 35% on stamped components by recalibrating CMM fixtures and revising GD&T tolerances on 7 engineering drawings.
- Standardized work at 3 inspection stations, saving 247 hours of rework time annually.
- Tracked nonconformance data in SAP and sent production supervisors a weekly reject report by part number.

### Quality Technician

Manitowoc Creek Castings Group, Manitowoc, WI | 2020 - 2021

- Performed dimensional inspections on 130 parts per shift using CMM equipment, feeding data into SPC charts that flagged drift before defects reached customers.
- Assisted in preparing documentation for the facility's first ISO 9001 certification, completing 8 internal audits over 4 months.
- Evaluated precision and accuracy of 12 pieces of testing equipment on a quarterly calibration schedule, maintaining measurement traceability records in SAP.

## Education

### B.S. in Industrial Engineering

University of Wisconsin-Platteville, Platteville, WI | 2016 - 2020

## Certifications

- Certified Six Sigma Green Belt, American Society for Quality, 2024