

Eric Evans

Manufacturing & Process Engineer

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Summary

Experienced design and manufacturing professional dedicated to delivering quality products. Committed to problem-solving, lean manufacturing, and continuous learning in the pursuit of operational excellence.

Education

Bachelor of Science, Plastics
Engineering Technology
(2009-2011)

*Western Washington University,
Bellingham, WA*

Certifications

Lean Six Sigma Green Belt
Certification CSSGB
American Society for Quality

Quality Engineer Certification
CQE
American Society for Quality

Certified Associate in Project
Management (CAPM)
Project Management Institute

NX CAM Manufacturing Engineer
Associate Certification
Siemens Xcelerator Academy

Skills

Data-Based Decision Making

I use tools such as control charts and check sheets to collect meaningful data that helps identify opportunities for improvement. This data-driven approach enables me to make informed decisions that enhance efficiency and reduce waste.

Design for Manufacture and Assembly

12+ years of experience with CAD/CAM/DFMA and working on the shop floor help me optimize designs and processes for production. I work with engineering and production teams to ensure designs are feasible, while meeting customer expectations for safety, delivery and performance.

Problem Solving

I apply critical thinking, collaborative energy and an open mind to develop new solutions for complex problems. I gather team input to generate innovative ideas and implement effective solutions.

Visual Factory

I use software tools and visual aids to ensure that procedures are easy to follow and tools are easy to use for all team members. Clear visual aids help maintain an organized workspace that improves efficiency and reduces errors.

Continuous Learning

I thoughtfully review the successes and failures of each project to inform the planning of the next. I actively seek out new knowledge and skills to stay current with industry advancements.

Lean Manufacturing

Using Kaizen principles I transform incremental refinements into lasting quality solutions. I drive continuous improvement initiatives to streamline processes and maximize productivity.

Experience

Process Engineer

GiroDisc, Bellingham, WA

(2021 - Present)

- Collection and analysis of data to find bottlenecks, mitigate production risks, and identify opportunities for improvement.
- Testing and implementation of new tooling, workholding, and programming methods for CNC manufacturing processes.
- Collaborated with team members to foster a culture of continuous improvement, starting with standardizing and evaluating current processes and using future-state goals to target improvement projects.

Entrepreneur, Co-Founder

Lost-Bikes, LLC, Bellingham, WA

(2016- 2020)

- Designed and built custom mountain bikes, developing unique suspension platforms and conducting geometry analysis.
- Created parametric models for rapid prototyping, enabling swift adjustments in design.
- Managed CAD design, prototyping, CNC programming, welding, and composites fabrication.
- Innovated novel designs and processes now common in the industry, including 29" wheeled downhill bikes, and bonded clamshell frames.

Production Technician (Part-Time)

Cutters Inc., Bellingham, WA

(2017 - 2020)

- Scheduled and produced sheet-metal goods for a variety of industries in a job-shop environment using SigmaNest software and Amada CNC laser and brake tools.
- Assisted a wide array of customers from individuals to engineers working for large organizations with reverse engineering, prototyping and DFMA for sheet metal and fabricated products.

Engineering Technician (Part-Time)

Splitvane Engineers, Inc., Sumas, WA

(2017 - 2018)

- Contributed to the design and fabrication of a prototype natural-gas foundry, funded by the National Science Foundation.
- Responsible for CAD design, machining hardware, and installing refractory materials inside the furnace.
- Coordinated with engineers to ensure the prototype met safety, environmental and performance standards, and supported the project through multiple design iterations.

Manufacturing Engineer

Bayview Composites, Anacortes, WA

(2014 - 2017)

- Programmed patterns for large scale composite aerospace and energy tooling using 5-axis CMS and Haas CNC mills.
- Designed patterns and associated metal/composite substructures from customer drawings and technical documents.
- Performed final inspection and sign off of machined tooling and customer components.

Engineering Technician

Janicki Industries, Hamilton, WA

(2012 - 2014)

- Used portable CMMs and metrology software to perform assembly, inspection and on-site installation of large-scale metal and composite aerospace tooling, and flight hardware for sensitive ITAR/EAR applications.
- Led the development of an automated workpiece alignment process within a cell containing two 100' travel 5-axis CNC mills, integrating portable CMMs into a closed-loop system with the machines.
- Worked alongside automation engineers to improve the accuracy of 5-axis machining operations using portable CMMs to assist with both physical alignment, and software driven volumetric compensation of both linear and rotational axes.