

Education

California State Polytechnic University, Pomona

Bachelor of Science, Manufacturing Engineering

May 2023

Selected Coursework: Design for Manufacturing, Numerical Control and CAM, Principles of Lean Implementation, Production Planning and Control, Data Analysis: Application in Industrial and System Engineering, Manufacturing Processes: Casting, Forming, Joining, Metal Removal

Technical Skills

Process & Quality Engineering: Lean Six Sigma, Equipment Validation, Risk Assessment & FMEA, Root Cause Analysis, Quality Management Systems, ISO 13485/9001, cGMP, Change Controls, Data Analysis, Technical Writing

Manufacturing Technologies: CAD, Rapid Prototyping, CNC Programming, Casting and Molding, Metrology, Statistical Process Control, Industrial Control Systems

Project Management: Strategic Planning, Process Implementation and Improvement, Cross-functional Collaboration, Resource Coordination, Agile Methodology, Customer Engagement

Software Proficiency: SolidWorks, AutoCAD, Microsoft 365 Suite, Google Docs Editors Suite, Asana

Work Experience

Sterile Processing Services of America – Process Engineer

December 2023 – December 2024

- Developed new SOPs and WIs and extensively revised existing controlled documents
- Supported ISO 13485 certification preparation by collaborating with quality department to develop comprehensive documentation and refine quality management systems
- Performed equipment validation, including installation and operational qualifications, conducting risk evaluations with FMEA and writing risk assessments for critical systems
- Compiled data analytics reports on productivity, process compliance, and operational volume
- Participated in internal auditing and component and material evaluation
- Conducted root cause investigations, performing extensive testing of edge cases on steam sterilizers
- Managed technical implementations during facility renovation, supporting layout design for production areas
- Provided technical support for operational systems, troubleshooting production tracking software and hardware
- Researched and evaluated production tracking systems to identify potential operational improvements
- Exhibited cross-functional adaptability, supporting diverse projects beyond standard engineering responsibilities

Tesloop – Product Manager

August 2018 – July 2020

- Led the product vision and roadmap for both user-facing mobile and web apps and data ingestion/analytics services
- Managed a remote development team with an agile process to both add new features and maintain existing software
- Wrote and iterated on product specifications, wireframes, workflow diagrams, and user stories
- Collaborated with cross-functional teams, including business development, marketing, operations, design, engineering, and external parties
- Performed code QA, regression tests, and wrote bug reports

Tesloop – Fleet Logistics and Routing Lead

August 2017 – August 2018

- Scheduled and organized timeline of inter-city rideshares by incorporating booking data, driver-reported downtime, seasonal traffic patterns, and user research
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University Senior Design Project

Optimizing Product Flow for Scrap Reduction at PMD Inc.

- Conducted investigational interviews with quality managers, supply managers, and machine operators
- Proposed barcode system and storage solutions for tool fixtures to increase traceability and reduce setup time
- Designed part-specific material handling crates with SolidWorks to reduce scrap caused by poor packaging, storage, and transportation practices
- Projected a reduction in scrap rate from 21% to 7%, including a reduction of 57% of scrap due to material handling damage, and 10% of scrap due to loss of traceability, together resulting in 45% revenue increase