

# Juan Orozco

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Results-oriented Manufacturing Engineer with experience improving quality and leading improvement projects. Multitasker, creative problem solver, and leader. Committed, team worker, and fast learner. Bilingual: English and Spanish.

## SKILLS

Lean Manufacturing ♦ Work Instructions / SOP writing ♦ Staff training ♦ Tool and Fixture Design ♦ New Product Introductions ♦ Project Management ♦ Quality Assurance ♦ Cost Reduction ♦ Data Analysis and Reporting

## EDUCATION

**BS in Electrical Engineering** (ABET Accredited), 2005 - University of Puerto Rico, Mayagüez, PR  
**Master of Business Administration**, 2015 - University of Puerto Rico, San Juan, PR

## PROFESSIONAL EXPERIENCE

### **Battelle Memorial Institute** (Columbus, OH)

*Hired to support the manufacturing of electromechanical products and wires harnesses.*

**Research Scientist/Manufacturing Engineer** July 2016 – Present

- Generated: Work Instructions, Process Routings, and Bill of Materials for electromechanical products.
- Reviewed, approved, and lead the implementation of Engineering Changes.
- Responsible for communicating and following up on the resolution of design issues.
- Designed Fixtures and Tools to aid manufacturing.
- Performed Prototype Manufacturing project planning.

**Awards:** Outstanding Performance Award: October 2020

Outstanding Performance Award: CALS integration: February 2018

Outstanding Performance Award: Aerosurf Support: September 2017

### **Escalate Sciences** (Caguas, PR)

*Provided professional services to different manufacturing organizations. Task performed: Manufacturing Engineering support, Project Lead and Execution, and Equipment Qualifications.*

**Verification Engineer**, October 2015 – July 2016

Client: Pfizer, Guayama, PR

- Generated and executed Installation and Operational Qualification (IOQ) protocols for pharmaceutical equipment.
- Generated Supporting Documentation: User Requirements Specifications, Risk-Based Project Plans, and Traceability Matrices.
- Supported the execution of Facilities and Utilities Qualification Protocols.

**Manufacturing Engineer/Validation Specialist**, April 2015 – October 2015

Client: Zimmer Biomet, Ponce, PR

- Lead the implementation of Design Changes. Supported First Article Inspections.
- Experience generating Change Control documents, Gauge R&R studies, and procedure updates.
- Completed the execution of a Cleaning Equipment Installation Qualification (IQ) and Operational Qualification (OQ).
- Experience with GD&T, CNC equipment, Optical Comparators, and Ultrasonic Cleaning.

**Pall Life Sciences** (Fajardo, PR)

*Hired to support the manufacturing of Life Sciences products in Clean Room environments.*

**Manufacturing Engineer**, March 2012 – April 2015

- Performed manufacturing investigations for product Non-Conformances and Customer Complaints.
- Lead the implementation of process improvement projects and quality corrective and preventive actions.
- Provided training to manufacturing associates on quality issues and process changes.
- Document writing: Standard Operating Procedures (SOP), Risk Assessment (FMEA), Change Controls, Equipment Qualification Protocols (IQ, OQ), and Process Qualification Protocols (PQ).
- Procured spare parts, equipment, and tooling for the manufacturing process.
- Updated spare part list and preventive maintenance actions and schedules as required.
- Lead a Product Line transfer from Tijuana, Mexico to Puerto Rico.
- Prepared a Data Collection / Report system to monitor the Overall Equipment Efficiency (OEE).

**Hamilton Sundstrand**, (Santa Isabel, PR)

*Responsible for supporting the manufacturing of electronics, electromechanical, and wire harness products for the Aerospace Industry.*

**Project Engineer** February 2011 – March 2012

- Provided assessment for Manufacturing Processes (PFMEA).
- Developed and lead cost reduction projects with cross-functional teams. Annual savings of \$300,000.
- Prepared Labor Quotes for new products.
- Prepared Capital Project proposals with the return of investment analysis.

**Manufacturing Engineer** August 2005 – Nov 2009

- Supported the transfer of electronics products to the Puerto Rico plant site.
- Designed and implemented tools and fixtures to optimize processes and reduce defects.
- Created and maintained manufacturing documentation: Routings, Work Instructions, Bill of Materials.
- Procured spare parts, equipment, and tooling.
- Supported the Quality department on the investigation of Customer Complaints, the resolution of Manufacturing and Supplier quality issues, and First Article Inspections.
- Member of the plant EH&S (Environmental Health and Safety) committee. Provided assessment and executed preventive and corrective actions for safety issues.
- Lead new product introductions and prototype manufacturing.

**TRAINING AND MEMBERSHIPS**

**Computer Literacy:** Microsoft Office, MS Project, MS Visio, Lindo, Arena, Corel Draw, Catalyst, JD Edwards AS400, AutoCAD, Catalyst, SAP, Minitab, Pilgrim, Maximo, and Lotus Notes.

**Industry Standards:** AS9100, ISO, cGMPs (Good Manufacturing Practices), GDP (Good Documentation Practices), Electrostatic Discharge Safe Environments, Ergonomics, OSHA, and Geometric Dimensioning and Tolerancing (GD&T).

**Lean Tools:** Standard Work, 5S, Fishbone Diagram (Ishikawa), 5-Why, Mistake Proof (Poka Yoke)

**Professional Membership:** American Society for Quality (ASQ) and Prospanica Columbus Chapter

**Certification Six Sigma Green Belt** 2010 by American Society for Quality (ASQ)

**Certification** Validation for the FDA Regulated Industries I.

**Web Development:** HTML, JavaScript, CSS, jQuery, Bootstrap.

**Full Stack Web Developer Certificate**, Expected graduation 2021 – Ohio State University, Columbus, OH