Eric Castilla

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Professional Experience

Crafco Inc. | Analytics Engineer

October 2023 – Present
- Acted as the go-to Solutions Engineer across all business units for digital process improvement — delivering custom integrations, automations, and analytics solutions tailored to department-specific needs.
- Built end-to-end data pipelines from multiple sources, directly saving the company $100K+ by eliminating the need for external consultants.
- Deployed automation programs improving report efficiency upwards of 75%
- Engineered and managed data pipelines using Python and ETL software to ingest data and display in Tableau
- Developed Web App enabling self-service and scalable automations. Saved $10k in subscription costs yearly.
- Deployed local LLM-powered "Machine Specs AI Chatbot" using Gemma 2B for internal use
- Responsible for refining reports and dashboards while incorporating stakeholder feedback
- Managed Tableau dashboard development while mentoring junior data analysts on best practices
- Spearheaded data acquisition deployment and integration at facilities around the country

Crafco Inc. | Project Engineer

April 2021 – October 2023
- Led Lean Events achieving $50,000 annual cost savings and 20% reduction in process cycle time
- Designed and deployed Up-Time data logging system to demonstrate production Data Acquisition value
- Managed multi-disciplinary teams to establish safety protocols, fixture standards, and testing documentation
- Created 3D models, schematics, and floor plans for manufacturing facilities and retail spaces
- Conducted time studies on manufacturing processes to identify inefficiencies and safety hazards
- Presented ROI analyses to leadership for equipment upgrades and process improvements

Intel Corporation | Automation Engineering Technician

December 2019 – April 2021
- Diagnosed and repaired complex automated manufacturing equipment using schematic interpretation
- Created training videos for common repairs, deployed across global manufacturing sites
- Led technical teams during critical factory-wide shutdowns to minimize production downtime
- Collaborated with engineering teams to develop innovative solutions for manufacturing challenges
- Mentored new hires and contract workers on equipment maintenance and troubleshooting
- Executed hands-on repairs on components ranging from bearings and belts to circuit boards and motors

Education and Certifications

University of Texas Permian Basin - *Bachelor of Science Mechanical Engineering (2019)*
Ohio State University - *Lean Manager Certification (LMAC) (2023)*

Skills and Software

Python, SQL, Data Engineering, Zapier, LLM, Microsoft SQL Server, Pandas. API Integration, Apache NiFi, ETL Tools, Data Pipelines, BI Development, Data Analytics, Tableau, QuickBase, Flask, Power App, AWS, Power Automate, Microsoft Forms, S3, VSCode, Lean Management, Six Sigma, AutoCAD, Word, Excel, Power Point