



# Ernest SANDOVAL

Manufacturing Data Analyst

## CONTACT

571-426-6446

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Beltsville, VA

## EDUCATION

2020 - 2021

### Certified Data Analyst (CDA)

Data Science Certification Institute

2014 - 2018

### BS in Industrial Engineering

Virginia Tech, Blacksburg, VA

GPA: 3.7/4.0

Recipient of the Engineering Excellence Scholarship

## AWARDS

Received the "Innovative Process Improvement" award for implementing a data-driven approach to streamline production at InnoTech Manufacturing Solutions, 2023.

## PROFESSIONAL SUMMARY

Proficient in data analysis, statistical modeling, and process optimization, seeking to apply expertise in driving insights and efficiency in the manufacturing sector. I enjoy participating in industry-focused hackathons, experimenting with emerging data analysis tools, and mentoring aspiring engineers and analysts.

## EXPERIENCE

### Manufacturing Data Analyst

2021 - Now

InnoTech Manufacturing Solutions, Beltsville, VA

- Devise predictive maintenance models, decreasing machine downtime by 18% and resulting in annual savings of 0,000.
- Lead a cross-functional team in implementing a real-time production monitoring system, improving overall equipment effectiveness (OEE) by 12%.
- Automate data reporting processes, reducing reporting time by 60% and enhancing data visualization for stakeholders.

### Quality Assurance Analyst

2018 - 2021

Precision Engineering Dynamics, Charlottesville, VA

- Spearheaded the development of a data-driven quality control system, reducing defective product incidents by 22%.
- Collaborated with suppliers to optimize inventory management, leading to a 30% decrease in delivery discrepancies.
- Analyzed customer feedback data to identify trends, contributing to a 17% increase in customer satisfaction scores.

## SKILLS

Data Visualization (Tableau, Power BI)

★★★★★

Statistical Analysis (R, Python)

★★★★★

SQL Database Management

★★★★★

Predictive Modeling

★★★★★

Lean Six Sigma Methodologies

★★★★★

Supply Chain Analysis

★★★★★

Root Cause Analysis

★★★★★