PEDRO RODRIGUEZ
DATA ANALYST

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EDUCATION

Polytechnic University of Puerto Rico Aug. 2011 to May 2017
B.S. Industrial Engineering

Springboard Oct. 2020 to Current
Certification Data Science 2021

SUMMARY

Result-driven industrial engineer applying statistical tools within the lean practices for continuous improvement projects, currently seeking to use proven Python and SQL skills to deliver coding excellence. Working with Springboard to develop programming skills, worked on several case-studies, and performed EDA and machine learning projects.

SKILLS

ENGINEERING: Lean Six Sigma, Statistical Quality Control, Critical Thinking, Probability, Problem-solving, Teamwork, Structural analysis
PROGRAMMING: Python, SQL, Machine Learning, Pandas, NumPy, Scikit-Learn, Statistics, Data Manipulation, Data Analysis, Data Visualization

EMPLOYMENT

Springboard Data Science Career Track Oct. 2020 to Apr. 2021
Student
• 500+ hours of hands-on course material, with 1:1 industry expert mentor oversight and completion of 2 in-depth portfolio projects.
Mastered skills in Python, SQL, data wrangling, data visualization, hypothesis testing, and machine learning.

BOSTON SCIENTIFIC Dorado, PR
Industrial Engineer Sept. 2018 to Dec. 2018
• Performed a Kaizen event to increase labor efficiency by 20% and space optimization by 40% of the packaging area
• Collected data by time study and performed line balancing by data analysis to determine the production line's capacity.
• Developed a standardized work in mainline to reduce foreign materials in trays.

MEDTRONIC Catano, PR
Associate Quality Engineer June 2018 to Sept. 2018
• Performed activities related to creating reports, document control, change controls and audits for warehouse re-localization.
• Ensured that corrective measures met acceptable reliability standards and that documentation was compliant with requirements
• Modified, applied, and maintain Data quality standards and protocol for processing materials into partially finished or finished materials product

BUSINESS IMPROVEMENT & MARKETING SOLUTION San Juan, PR
Consultant Engineer May 2017 to June 2018
• Trained 500+ government and public workers on how to fill the Single-Employer Act survey form correctly.
• Collected and analyzed more than 30,000 data to identify variance, service needs and, human resources for the restructuration of the Puerto Rico Family department.
• Provided data insights into basic improvement methodology and tools to the Puerto Rico Family Department
• Designed a proposal to improve space utilization by 40% at the Gonzalez Padin Building, projecting a $1 MM reduction per year.
• Collaborated with the IT department by identifying, collecting, and creating a Dashboard of the critical measures and performance metric targets.

PROJECTS

SPRINGBOARD- PRODUCTION LINE SIMULATION PROJECT Nov. 2020 to Feb. 2021
SimPy is a process-based discrete-event simulation framework based on standard Python and was used to create the Production line simulation. I performed data analysis to identify trends and circumstances that make the production line's inconsistent with meeting the daily goal and creating the simulations' parameters with the data analysis findings—created different scenarios to the simulation to measure how they affect the production line output.

BOSTON SCIENTIFIC- SPACE OPTIMIZATION Aug. 2016 to Mar. 2016
• Performed a Kaizen event to increase the labor efficiency by 20% and space optimization by 40% of the packaging area
• Applied statistical quality control to assess the behavior of annual demand and employed layout improvements to increase production.

AWARDS

First Place winner · QUEST COMPETITION May 2016
• Performed a time study analysis and used statistics and quality tools to determine the possible causes of medical devices' manufacturing.
• Developed techniques and recommendations to improve process flow and reduce delays.