LUIS EDMUNDO BRENA PANTOJA

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PROFESSIONAL IN ENGINEERING MANAGEMENT

Proficient in ROS2, Python, MATLAB, MS Excel, and SQL. Been involved in various projects ranging from industrial automation to process improvements and operational restructuring. After a successful career in hospitality and retail, I am now transitioning into the automation and consumer electronics industry and seeking full-time positions. Organized, creative, hardworking, and solutions-oriented professional with a deep understanding of automation principles, manufacturing processes, robotics, and industry trends.

SKILLS

Skills: Excellent writing and communication skills, Computer Vision, Pytorch, CUDA, Tensorflow, SQL, Python, Tableau, MATLAB, Business Analytics, Excel/Numbers/Sheets, ROS2, MatLab, Operations Research, C/C++, CAD, Minitab, HTML/CSS, Power BI, Product Management, Ruby on Rails, SolidWorks, Supply Chain Management, Word/Pages/Docs, PLC, Visio, Product Design, Lean Six Sigma
Languages: Spanish, English

EDUCATION

Johns Hopkins University   **August 2023 - May 2025**
Master's, Engineering Management   *GPA: 3.65*
- Technical Track: Smart Product and Device Design
- Relevant coursework: Artificial Intelligence, Algorithms for Sensor-based Robotics, Reinforcement Learning, Artificial Agents (NLP), Customer Discovery, Finance, Strategic Planning

Universidad de Lima   **March 2013 - February 2018**
Bachelor's, Industrial Engineering   *GPA: 4*
- Relevant coursework: Marketing, Process Engineering, Industrial Automation, Process Analysis, Electrical Engineering, Industrial Technology, Operations Research

CERTIFICATIONS

Executive Certificate in Management, Innovation, and Technology, MIT Sloan, MA - 2021
SolidWorks Essentials Certificate, SolidWorks, Peru - 2016
Mechatronics, Robotics, and Automation Engineering, TECSUP, Peru - 2013

PROFESSIONAL EXPERIENCE

Peabody Institute of The Johns Hopkins University   **Baltimore, MD, USA**
Event Manager   *July 2024 - Present*
- Used Lean Six Sigma techniques to reduce picking time and ensure correct handling procedures
- Implemented statistics and cycle counting to track improvement in inventory waste and consumption and monitor stockouts
- Contributed to the organization of the Orientation Week for 300 students and receiving positive feedback
- Organized the inventory by modifying the structure of the attributes in the database and categorizing items based on picking likelihood

CHC - Best Western Franchisee   **Huancayo, JU, Peru**
Hotel Manager – Hospitality   *August 2018 - August 2023*
- Implemented a Revenue Management System and a feature-based quotation standard for events, resulting in a 15% increase in total revenue per available room for all business units
- Saw a 6% increase in Gross Margin and 10% in Net Profit Margin after the implementation of Oracle Symphony POS and Inventory Management System by the end of 2022
- Won a regional bid to house mining employees during the COVID-19 pandemic, which resulted in a 50% increase in revenue for 2020 and 2021
- Led 24 employees in implementing a PMS, SOP 231, and 101 SOP (standard operating procedures) for front office and wait people training
- Tracked, monitored, and supervised service quality, accounting, operations, and infrastructure improvements

Grupo Oka   **Huancayo, JU, Peru**
Founder   *October 2018 - August 2023*
- Founded a food retail business with total annual revenue of $300K, an average of 1,300 SKUs, and $60K in current assets
- Monitored operations and achieved the city's highest sales in the Specialty Food retail category
- Developed the project and financing strategy to fund the initial development phase with $200,000
- Supervised the legal and technical documentation writing required to open the stores
- Implemented systems for procurement and order optimization to increase predictability and reduce stockouts to < 5%.

PROJECTS & OUTSIDE EXPERIENCE

Design Process Improvement at Intralox   **Baltimore, MD, USA**
Engineering Apprentice | Generative AI   *September 2023 - December 2023*
- As part of coursework requirements, developed a new generative AI and design thinking-based process to increase the output of designs for the Research and Development team
- Created a process using Microsoft Visio and prepared a final presentation for the regional manager to propose incorporating the tool for the R&D team
- Designed and tested a digital application to automate the process using the ChatpGPT API and a process for iterative prompting

Bed Assignment Process Improvement at Johns Hopkins Hospital   **Baltimore, MD, USA**
Operations Analyst Trainee   *August 2023 - September 2023*
- Revamped the communication process in the Emergency Department and the Capacity Command Center.
- Suggested three alternatives to reduce resolution calls, such as simplifying the patient bed assignment to give bed managers more decision-making power, and centralizing the decision-making process.
- Presented our conclusions to the bed assignment management team.

Operational Restructuring at Centrocorp - Honda Motor Official Dealer   **Huancayo, JU, Peru**
Operational Restructuring Manager   *August 2019 - December 2020*
- Maintenance business unit revenue increased by 15% after adding bodywork and painting stations.
- Liquidated dead stock, generating $25,000 in revenue.
- Negotiated a partnership with Valvoline to promote oil-change services, resulting in a 5% revenue increase.
- Closed a managing partnership deal, expecting a 50% increase in annual revenue for 2021.