**ROGELIO “ROY” LUGOS**

**Data Analyst/Industrial Engineer**

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**ABOUT ME**

As an industrial engineer, I have always enjoyed the data gathering and analysis phase of my projects. Applying the results of my data analyses have led to creative solutions in facilities planning & design, building services and optimization activities in operations. Nashville Software School has elevated my data analytics skills by providing me with extensive training in new tools to extract and evaluate data through specialized software. I am eagerly looking forward to applying these new skills to work in my future career endeavors.

**DATA ANALYTICS**

* SQL (PostGreSQL)
* Power BI
* Tableau
* Python for Data Analysis
* AutoCAD
* ERP (Microsoft Dynamics)
* WMS (Manhattan)
* Office 365 (Excel, Word, PowerPoint)

**Nashville Software School**  Jan 2023 - Present

*Data Analyst Apprentice*

Intensive full-time bootcamp focusing on data analytics fundamentals and problem solving. Used real-world datasets and included projects where findings were presented to stakeholders from the community.

* Analyzed data using Microsoft Excel, including utilizing pivot tables and lookups, and connected to external data sources using the PowerPivot add-on
* Built and deployed dashboards using Tableau and PowerBI
* Wrangled data and performed exploratory data analysis using Python’s *pandas* library
* Created data visualizations using *matplotlib* and *seaborn*
* Gathered data through APIs and webscraping
* Performed geospatial analysis using *geopandas* and *folium*
* Retrieved and analyzed data using PostgreSQL and *sqlalchemy*
* Source code version control with Git/GitHub
* Project management/tracking with GitHub project boards and issue tracking

**Projects:**

*Final Capstone*

*General Description*

*Technologies Used: Python, Tableau, etc*

*Link.*

**PROFESSIONAL EXPERIENCE**

**Sr. Industrial Engineer | GEODIS | May 2021 – Jan 2023**

* Analyzed changes in 3PL distribution and e-commerce centers and created projects to improve material flow processes, along with equipment and facilities layouts.
* Created and maintained accurate AutoCAD layouts for other engineering departments for business development and facilities projects.

**Sr. Industrial Engineer | NISSAN | Sep 2006 - May 2021**

* Developed a new distribution and packaging center from design to implementation for an internal start-up business unit. Monitored facility and equipment utilization and led improvement projects based on emerging business requirements. Developed ERP & WMS processes in Microsoft Dynamics. Managed related facilities activities including training, 5S, safety, security & building services.
* Analyzed data for entire national part catalog to design new distribution centers to segregate products and minimize space requirements for new 5-year business plan.
* Managed multiple facility projects to relocate or reconfigure parts distribution centers to support new business initiatives.
* Improved existing storage layout standards for a new national redistribution center by creating a data model using material flow analysis.

**Industrial Engineer | INTEL | Jan 2006 – Sep 2006**

* Supported Intel logistics group with SKU and headcount planning using Crystal Reports. Developed ASRS utilization studies and maintenance activities, while managing roles in Purchasing, Budgeting and Finance.

**Sr. Facilities Planner | INTEL | Jan 2000 – Jun 2006**

* Created facilities plans for 1 million+ SF of offices, engineering labs, manufacturing, and logistics areas to maximize asset utilization. Generated capital project justification and managed construction projects.
* Managed global team and database for reporting and allocating internal facilities costs. Led an audit team through Asia region to provide an accurate baseline and training to senior management and finance teams.
* Managed suppliers and assets for office moves and furniture programs. Developed and implemented new US supplier contracts to lower costs by $5M annually.
* Developed a data model for calculating billable SF for a new custodial services contract using CAFM (Computer Aided Facilities Management). Reduced annual domestic US building services cost by $5.6M which resulted in a divisional recognition award.

**Industrial Engineer | BOEING | Jun 1998 – Jan 2000**

* Supported complex manufacturing in Model 747 Final Assembly area through production tracking, time & motion studies, methods analysis and creating precedence charts with critical path networks.

**Facilities Planner | SATURN (GENERAL MOTORS) | Jun 1995 – Jun 1998**

* Led two continuous improvement teams to redesign material handling, storage equipment and processes within the parts distribution center. Doubled the SKU storage capacity in the existing facility resulting in the cost avoidance of building additional distribution center space.

**EDUCATION**

Data Analytics and Visualization Certificate, Nashville Software School (Expected graduation: April 2023)

MS Industrial Engineering (Engineering Management concentration), University of Tennessee

BS Industrial & Systems Engineering (Minor in Economics), The Ohio State University