DAT NGUYEN

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SUMMARY

Detail-oriented Data Analyst, passionate to share hidden treasures laid under the coverage of data to organizations. Earned a Certificate in Data Analytics from Monash University to equip me with updated analysis tools and statistical methods. Experienced in building dashboards for the management to monitor KPI and make data-driven decisions. Strong analytical thinking and problem solving with the ability to discover insights from data and present meaningful stories to audiences.

TECHNICAL SKILLS

Languages: Python, R, JavaScript, HTML5, SQL, VBA
Applications: GitHub, MySQL, PostgreSQL, MongoDB, Excel, Tableau, Power BI
Tools: Pandas, Numpy, Jupyter Notebook, Seaborn, Matplotlib, Scikit learn, TensorFlow, Databasing, SQLAlchemy, pymongo, Flask, splinter, BeautifulSoup, ERD design.

PROJECTS

Motor vehicle crashes analysis | https://github.com/datng87/Car_crashes_analysis
- The project aimed to understand some of the fundamental questions about the lethal crashes in the US from 2010 to 2020 including crashes trend, dangerous areas, and contributing risk factors.
- Core responsibilities: Collected the most recent data using API, and used Pandas to clean up and manipulate data into a ready-to-use state for the team to visualize via Matplotlib and Google API maps.
- Tools / languages used: Python, Matplotlib, Google API, gmaps, API, Jupyter Notebook, Pandas.

PROJECTS

World alcohol consumption ETL | https://github.com/datng87/world_alcohol_ETL
- The project applied ETL concepts (Extract, Transform, Loading) to collect the data of alcohol consumption, incomes, ages, traffic fatalities of all countries from multiple sources, combine and manipulate then store them in a designed structured database.
- Core responsibilities: Designed the database, cleaned up and transformed data ready to be loaded to the database.
- Tools / languages used: Postgres SQL, ERD design, Python, SQLAlchemy, numpy.

EXPERIENCE

Buyer   Nov 2020 – Now
ASSA ABLOY Australia PTY LTD   Melbourne, VIC
- Timely release purchase orders in line with agreed parameters and constraints.
- Create, negotiate and manage Supplier Agreements. Maintaining an effective relationship with all suppliers.
- Cost reduction opportunity identification, implementation, management and reporting.
- Maintain and demonstrate continual improvement in inventory, lead time, safety stock and replenishment parameters ultimately leading to a reduction in backorders, and lost sales while maintaining quality and delivery service level.

Key Accomplishments:
- Builds inventory dashboard using Python and Power BI which helps the management to monitor and support decisions making resulting in a reduction of 15% year-to-year inventory level in 2022.
- Creates scripts using VBA to automate the purchasing processes and reports resulting in a saving of 600 hours of manual work annually.

Production Planner   Feb 2019– Oct 2020
CMS Electracom   Melbourne, VIC
- Coordinated with production, procurement and warehouse team to ensure the production schedule was met and orders were shipped to customers on time.
- Proposed recovery plans for late orders, and resolve issues affecting DIFOT (delivery in full on time)
- Liaised with Customer Service on current order status.

Key Accomplishments:
- Built automated priorities Excel reports for production and dispatch teams that reduced the number of urgent late orders by 80%.

Production planner and New Product Integrator   Nov 2012 – Jan 2018
Intel Product Vietnam   Ho Chi Minh City, Vietnam
- Designed standard working instructions (SWI) and specifications (SPEC) documentation for new manufacturing systems, and trained the technicians.
- Created the production schedules of 6 million units per week (including conversion schedules, changeover schedules, preventive maintenance schedules).
- Coordinated with other groups (Module Engineer, Material Engineer, Quality Engineer) to implement the continuous improvement projects without impacting the factory schedule.

Key Accomplishments:
- Created One-click-fie using VBA to automate the kitting and WIP (work in progress) controlling process resulting in a 15% reduction of the cycle time of chipset products.
- Successfully transferred 15 new products from Research and Development sites to Intel Vietnam.

EDUCATION

Certificate in Data Analytics:
Monash University, Melbourne, VIC   2022
A 24 weeks intensive program focused on gaining skills in Python, SQL, MongoDB, R, VBA, HTML, JavaScript, Tableau, Big Data, and Machine Learning.

Bachelor's Degree in Electrical Engineer:
Portland State University, Portland, Oregon, USA   2011