

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 coffee consumption ETL | https://github.com/datng87/world_alcohol_ETL | <https://coffee-worldwide.herokuapp.com/>

- The project applied ETL concepts (Extract, Transform, Loading) to collect the worldwide coffee consumption and production data, manipulate them, and then store them in a designed structured database. The data was visualised through a web app deployed on Heroku.
- Core responsibilities: Developed the Flask app to connect to the database and created the visualisations (choropleth map, interactive charts) for the data.
- Tools/languages used: Postgres SQL, ERD design, Python, SQLAlchemy, Flask, Bootstrap, Plotly.js, ChartJS, D3.js.

EXPERIENCE

Buyer

ASSA ABLOY Australia PTY LTD

Nov 2020 – Now

Melbourne, VIC

- Timely release purchase orders in line with agreed parameters and constraints.
- Negotiate, and manage supplier agreements.
- Maintain an effective relationship with all suppliers.
- Identify cost-cutting opportunities. Implement and administer cost-saving projects.
- Control and demonstrate continual improvement in inventory, lead time, safety stock, and replenishment parameters ultimately leading to a reduction in backorders and lost sales while ensuring quality and delivery service level.

Key Accomplishments:

- Improve 15% year-to-year inventory level in 2022 by developing inventory dashboard using Python and Power BI which helps the management to monitor and support decisions making.
- Create scripts using VBA to automate the purchasing processes and reports resulting in a saving of 600 hours of manual work annually.

Production Planner
CMS Electracom

Feb 2019– Oct 2020
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 resolved issues affecting DIFOT (delivery in full on time)
- Arranged with Customer Service on current order status.

Key Accomplishments:

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

Production planner and New Product Integrator
Intel Product Vietnam

Nov 2012 – Jan 2018
Ho Chi Minh City, Vietnam

- Established 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).
- Organised with other groups (Module Engineer, Material Engineer, Quality Engineer) to implement the continuous improvement projects without impacting the factory schedule.

Key Accomplishments:

- Produced 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.
- Transferred 15 new products from Research and Development sites to Intel Vietnam successfully.

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