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Thanh Chung Nguyen

Portfolio: https://edwardng.vercel.app
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SUMMARY

Highly driven and dedicated data analyst with experience in data cleaning, manipulation, visualisation and interpretation
Proficient in machine learning, deep learning, data analysis, exploration and modelling Skilled in SQL, python, R and Power BI
Proven success in developing data-driven strategies and presenting executive management with actionable and useful insights
Willing to take any task to help the team

TECHNICAL SKILLS

Programing	python, R, d3, SQL
Frameworks	Pandas, Matplotlib, TensorFlow, Torch, Sklearn
Analytical ability	data cleaning, data exploration, data analysis, text processing, image classification, deep learning
Tools	PowerBI, Power Query, DAX, Tableau, Anaconda, GitHub, DBT, Apache Airflow, S3, AWS, Azure, Docker
Database	MySQL, PostgreSQL, MongoDB, Oracle Database, Microsoft SQL Server, RDS, Cassandra, MariaDB
Soft Skills	Teamwork, communication, Leadership, Problem-solving, Analytical Thinking, Technical Writing

EXPERIENCE

PTE Master   **Jan 2023 - Current**
Data analyst   *Sydney, Australia*

- Engaged with stakeholders to collect requirements and created related documents, test scenarios, and solution drafts, employing tools such as Agile Scrum
- Recognized trends in evaluated data, offering managerial intelligence based on findings, and overseeing the data analysis methodology, including upkeep of relevant procedures
- Implemented Extract, Load, and Transform (ELT) processes using Airflow and DBT (Data Build Tool), facilitating efficient data extraction from various sources, loading it into the data warehouse, and transforming it into a consistent and reliable format for analysis and reporting
- Developed automated reports and dashboards using Power BI and python, supplying stakeholders with meaningful data for strategic actions

JungTalents   **Dec 2021 - Dec 2022**
Data analyst   *HCM, Vietnam*

- Partnered with encoding team to efficiently delegate tasks and improve workflow, maintaining high productivity
- Managed various encoding tasks, ensuring top-notch productivity and task completion
- Utilized Tableau for effective sample management and corresponding data processing
- Created Python and SQL based reports, enhancing data retrieval by 40% and reducing reporting time

VIET NAM PAYMENT SOLUTION JOINT STOCK COMPANY   **Oct 2020 - Oct 2021**
Operation officer   *Hanoi, Vietnam*

- Monitored operational metrics such as sales prediction rates, repeat buying percentages, and average performance of retail entities
- Conceived, implemented, and supervised processes leading to an expansion in business e-invoice contracts and associated data by 10,000
- Facilitated communication of information between clients and other key parties like business analysts and IT departments
- Collaborated diligently with interdisciplinary teams to spot potential areas for procedural enhancement, utilizing data analytics methods through tools like ERP, CRM, SPSS to foster company's growth goals

EDUCATION

Master of data science, *Monash University*   Jul 2021 - Jul 2023
Awarded international study grants
Course Work: **FIT 9136** *- algorithms and programming foundations in python,* **FIT 9132** *- introduction to databases,* **MAT9004** *- mathematical foundations for data science and AI,* **FIT 5147** *- data exploration and visualisation,* **FIT 5196** *- data wrangling,* **FIT 5197** *- statistical data modelling,* **FIT 5201** *- machine learning,* **FIT 5202** *- big data processing,* **FIT 5149** *- applied data analysis*

Bachelor of Arts in Banking and Finance, *Academy and Policy and Development*   Sep 2015 - Sep 2019

PROJECTS

MONTHLY SALES REPORT OF JUNE 2021   **Aug 2022 - Oct 2022**
Tools: PowerBI   *Melbourne, Vic*

- Leveraged Power Query in Power BI to efficiently transform raw sales data into clean, usable data for further analysis

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- Developed comprehensive measurements using Data Analysis Expressions (DAX), facilitating more interesting and specific insights from the sales data
- Designed an interactive Power BI dashboard for monthly sales, providing a visually appealing and easy-to-understand representation of sales data
- Analyzed and visually presented sales trends over time using the dashboard, assisting in recognizing patterns and making future predictions
- Identified and highlighted top 5 products in terms of sales on the dashboard, aiding in inventory management and procurement decisions
- Utilized geospatial analysis features of Power BI to visualize best selling locations, aiding in strategizing marketing and sales efforts

MONTHLY UTILITY BILL PREDICTION
Tools: R

Aug 2022 - Oct 2022

Melbourne, Vic

- Compiled all the raw data to clean data from the wholesale electricity prices in Australia are at record highs by using R
- Built 5 machine learning models (Regression, Random forest, trees, K-Nearest Neighbours, Xgboost) to compare the best predicted model for end-user with 88% accuracy from Xgboost

USING REAL-TIME STREAMING DATASET TO PREDICT POTENTIAL CUSTOMERS
Tools: Spark, python

Aug 2022 - Oct 2022

Melbourne, Vic

- Incorporated Apache Kafka and Apache Spark Streaming to handle real-time over 1 million rows of data
- integrated and classified Top-up clients by using the 5 machine learning models with 77% highest F1 score in Gradient boosting classifier
- Built a visualisation to show the number of Top-up clients based on 28 states of India

WORKING WITH SPARTIAL DATA
Tools: python

Aug 2022 - Oct 2022

Melbourne, Vic

- Utilized Python for robust processing and analysis of spatial data, significantly enhancing the quality of strategic decision-making
- Skilled in working with diverse data formats including XML and PDF, extracting valuable spatial information for comprehensive analysis
- Extracted, transformed, and loaded spatial data from diverse file formats such as PHF and JSON, improving data integrity and utility.
- Developed and maintained automated data retrieval scripts, ensuring consistent and timely updates of crucial spatial data sets

DATA CLEANING WITH PYTHON
Tools: python

Aug 2022 - Oct 2022

Melbourne, Vic

- Employed robust techniques to standardize date formats across different data sets, enhancing data uniformity and coherence.
- Utilized the Interquartile Range (IQR) method for effective outlier detection and handling, improving data accuracy and reliability.
- Implemented linear regression models to impute missing data values, ensuring comprehensive and meaningful data for further analysis.

PROJECT PHO-TALK YOUR PERSONAL EATING ASSISTANCE - FACEBOOK DEVELOPER CIRCLE COMPETITION
Tools: Torch, DialogFlow, python

Dec 2020 - Feb 2021

Hanoi, Vietnam

- Collected and scraped 1000 conversations and 2000 images with nutrition labels through by using python with selenium framework
- Detected and classified food nutrition by building YoloV3 from Scratch and applying Torch with 93% accuracy
- Integrated and trained models by DialogFlow from Google Cloud to help chatbot understand common nutrition and body issues to improve the health of users in the future

ACTIVITIES

Top 5 Kaggle - Consciousness Metre Challenge	2022
Top 3 Kaggle - Monash data event	2022
Applied data Scientist of World Quant University Bootcamp	2020
Data science Bootcamp	2020