

NHU MAI NGUYEN

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TECHNICAL SKILLS

- Microsoft Office: Excel, Word, PowerPoint, Word
- Statistical programming: R, MySQL, Python (pandas, scikit-learn)
- Data visualization (Tableau, Power BI, Matplotlib)
- Data preparation: collecting and cleaning data
- Mathematical and statistical skills

PROFESSIONAL SKILLS

- Attention to detail
- Communication
- Public Speaking
- Problem-solving

LANGUAGES SPOKEN

- English
- Vietnamese (Native)

EDUCATION HIGHLIGHTS

November 2020 - December 2022

Macquarie University

Bachelor of Information Technology Major Data Science

January 2020 - October 2020

Macquarie University International College

Diploma of Information Technology

WORK EXPERIENCES

Market Research Interviewer

McNair yellowSquares | 03/2022 - Present

- Collects and reviews information collected and compiles reports to pass back to the organisation/individual commissioning the market research.
- Makes outbound and inbound calls through CATI software phone survey system.
- Collects questionnaires, diaries, and other research materials left with interviewees and conducts follow-up interviews.
- Records progress of respondents by noting answers, completing questionnaires, making audio or visual recording into computer.
- Approaches members of the public, individuals, households and organisations to arrange and conduct face-to-face interviews, telephone interviews, focus groups, panel interviews etc..

Data Entry

Viet Nam Post | 06/2021 - 01/2022

- Prepared and sorted documents for data entry, supported to create digital map and lane to have optimal performance timing for delivery.
- Entered data into database software and checked to ensure the accuracy of the data that has been inputted.
- Supported analysis sales, production parcels and forecasted the cost of fuel in season by collected and sorted data by request of authorised members.
- Scanned documents and saved in database to keep records of essential organizational information.
- Resolved discrepancies in information and obtained further information for incomplete documents.

EXTRACURRICULAR ACTIVITY

Global Leadership Program (GLP) Student

Participated as a student to join GLP activities | 07/2021 - 12/2022

- Joined speaker talk of program related topic such as economic, music, technology, startup.
- Participated Speaker Series about Innovative and Foreign Affairs.

The Forge

PwC Switzerland Power BI Job Simulation | 03/2024

- Demonstrated expertise in data visualization through the creation of Power BI dashboards that effectively conveyed KPIs, showcasing the ability to respond to client requests with well-designed solutions.
- Strong communication skills reflected in the concise and informative email communication with engagement partners, delivering valuable insights and actionable suggestions based on data analysis.

Commonwealth Bank Introduction to Data Science Job Simulation | 03/2024

- Demonstrated proficiency in creating data engineering pipelines to aggregate and extract valuable insights from datasets, optimizing data-driven decision-making.
- Proposed effective data analysis approaches, particularly related to social media, and demonstrated the ability to design well-structured databases for efficient information management.

Accenture North America Data Analytics and Visualization Job Simulation | 03/2024

- Cleaned, modelled and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions.
- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders.

PROJECTS

Forecasting Model

The spreading COVID-19 cases in the world

- WHO, along with John Hopkins University (JHU) collects data related to COVID-19 and provide insights in the form of dashboard, this project will collect COVID-19 dataset from various sources and try to explore how the number of cases are increasing in different countries.
- Forecasted the method partial and complete lockdown have any effect in decreasing number of cases and the cases rising due to community transmission or overseas travel.
- This project is written by Python and Jupyter Notebook, used of linear regression as a predictive model and improved it using polynomial regression.
- Used criteria for evaluation such as Mean Square Error (MSE), Mean Absolute Error (MAE), and Rsquared (r^2) for regression problem and used F-score to calculate the accuracy.

Building spreadsheet and data visualization

Investment real estate and demographics in Australia

- Built the spreadsheet using Microsoft Excel to define the allocated suburb is having a potential investment in real estate.
- Based on Excel spreadsheet about house and vacant land by suburb 2010-2020 downloaded from VIC Environment, Land, Water and Planning with the median price though 10 years period.
- Built a report based on given data to pursuit business should invest in this suburb and which types should invest house or vacant land.
- Data visualization about the demographics of members of the Australian population born in certain countries over the past 30 years (1996-2016) using Tableau.
- Used csv file contained the estimated population of Australia from 1996 to 2016 (every 5 year at census year), separated by states, ages (5 years), sexes and the countries of birth, sourced ABS.
- Used Excel to perform data manipulation, Tableau to create an interactive dashboard about temporal trends, demographic distributions and construct StoryBoard to explain particular aspects.