

HAI HOANG NGUYEN

[Linkedin](#)
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Education

BACHELOR OF INFORMATION TECHNOLOGY – Macquarie University

December 2022

Major: Information Systems and Business Analysis

- Coursework: Database Design and Management, Business Information Systems, Application Modelling, Applied Statistics, Advanced Analytics Techniques, Project Management, Business Forecasting
- Achievements: 2021 Merit List
- WAM: 79.217

Work Experience

PMO ANALYST INTERN – BT Financial Group – Sydney, NSW

July 2022 - December 2022

- Engaged stakeholders for Business Transformation projects' important updates.
- Prepared summary packs via Microsoft Office tools and finalised risk registers.
- Data entry, filtered, and performed analysis on occasional financial data.
- Set up, documented, and updated decisions after monthly Steering Committee on Confluence sites.

DATA ANALYST ASSOCIATE – Better Business Partnership – Sydney, NSW

August 2022 - November 2022

- Retrieved, filtered and cleaned data from an online assessment site on BBP website.
- Produced graphic illustrations for specified business and sustainability information slices.
- Applied Mercury framework to deploy an online real-time interactive dashboard.
- Mainly responsible for scripting and reviewing project documentations and handover.

Projects

SYDNEY AIRBNB LISTING PRICES PREDICTIONS – Personal Project

June 2022

- Loaded data with **Python** and conducted initial data analysis to identify evaluation criteria and data summary.
- Transformed and filtered data by using encoding functions and **feature engineering** processes based on correlation results.
- Fitted and tuned a combination of ML **Regression** models to generate predictions with the lowest MSE on the test dataset.

SHOP CHAIN DATABASE ANALYSIS – Personal Project

March 2022

- Designed a proper database schema and utilized **MySQL** to create relevant tables with data entries.
- Performed basic queries to produce results of real-life customer-based conditions.
- Initiated a **procedure** for discount distributions and a BEFORE UPDATE **trigger** to update the Membership table.

USAGE OF TRANSPORT MODES IN NSW – Group Project – Co-Leader

December 2021

- Collected datasets of transport usages based on income and age group slices from ABS.
- Implemented **sklearn** functions to compile clustering and predict the transport usages based on different factors' impacts.
- Aggregated and visualized the data by using **pandas**, **matplotlib** and **seaborn** to compile a professional report.

Skills

- | | | |
|--|------------------------|------------|
| • Excel (VLookup, Conditional Formatting, Pivot Table) | • Google Analytics | • R Studio |
| • Python (Pandas, NumPy, Matplotlib, sklearn) | • Microsoft Office 365 | • Figma |
| • SQL (SQL Server, MySQL, BigQuery) | • Tableau/ Power BI | |

Licenses and Certifications

GOOGLE Data Analytics Certificate

July 2023

ACCENTURE Data Analytics Virtual Experience

July 2022

HackerRank SQL (Intermediate)

July 2022