

Aaron Han Li

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Portfolio Link: <https://hanl1223.github.io/resume/>

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ABOUT

Results-driven and dedicated Data Professional with a strong background in data analysis, machine learning, data engineering, project management, and programming. Demonstrated expertise in classic machine learning and neural networks, data analysis, and database management systems. Possesses a keen ability to identify and solve complex business problems by leveraging analytical skills, critical thinking, and business acumen. Well-versed in forecasting and statistical modelling, with a proven track record of delivering actionable insights and driving data-informed decision-making.

TECHNICAL SKILLS

- Languages: **Python, R**
- Frameworks: **Sci-kit Learn, TensorFlow, PyTorch, PySpark, Kafka**
- Tools: **Docker, Git, Tableau, PowerBI, DataBrick**
- Databases: **PostgreSQL, MongoDB**
- Cloud: **AWS, GCP**

PROFESSIONAL STRENGTHS

- Excellent communication skills with fluency in Mandarin and Cantonese
- Proven commercial sense, and multi-tasking ability.
- Effective team leader and team player who performs well under pressure.
- Experienced project management leverage agile methodology

EMPLOYMENT HISTORY

The Como Melbourne – Mgallery by Sofitel

Duty Manager / Reservation Supervisor

February 2021 – January 2023

- Managed operations for a 111-room hotel, effectively coordinated and supervised the daily operation, ensuring a seamless guest experience and efficient service delivery.
- Analysed booking patterns and implemented revenue optimization strategies based on demand trends.
- Implemented revenue optimization strategies by dynamically adjusting inventory based on daily demand trends, leading to improved revenue performance. Supporting monthly budget forecast.
- Collaborated with the sales and marketing team to identify opportunities for targeted promotions and packages.

- Conducted regular performance analysis of the reservation system, identifying areas for improvement, and implementing process enhancements.

PROJECT

Spam detector and password evaluation

02/2023 – 06/2023

Key Contributions:

- Updated the Django back-end to implement new features and handle model requests.
- Utilized Docker to ensure a uniform development environment across the team.
- Integrated a PyTorch BERT model using transfer learning and an XGBoost model for two classification tasks to improve application functionality.
- Utilized GitHub for version control to manage the codebase and facilitate team collaboration.
- Deployed the application on Azure for scalability and availability to ensure optimal user experience.
- Managed the project using agile methodology to ensure timely and effective delivery.
- Created and maintained data governance documents to ensure data accuracy and compliance.
- Provide debriefing and presentation to professional panels to introduce the data project.

Tool and Skills involve:

Python, PyTorch, Scikit Learn, Docker, Git, Azure, AWS

Data Engineering Project: NYC Trip Report Analysis

06/2022 - 06/2022

Key Contributions:

- Performed data cleaning and transformation using Python to ensure data quality and integrity.
- Utilized MAGE for building a data pipeline to extract, transform, and load data into GCP's BigQuery.
- Executed SQL queries in BigQuery to shape tables for data visualization.
- Developed interactive dashboards using Looker Studio to present data and insights effectively.
- Gained hands-on experience in data engineering and honed skills in Python, data cleaning, SQL querying, and Looker Studio.
- Utilized Google Cloud Platform (GCP) services, including BigQuery, for database management and analysis.
- Contributed to the team's understanding of data engineering concepts and practices.

Tool and Skills Involved:

Python, MAGE, SQL, Looker Studio, Google Cloud Platform (GCP), Big Query, Dashboard

EDUCATION BACKGROUND

Master of Data Science

Monash University, Victoria Melbourne

07/2021 – 07/2023

REFERENCE

Available upon request