

JUSTIN LEE

+61 412-550-307 | justinlee61@hotmail.com | [Github](#) | [Linkedin](#)
<https://justinminlee.github.io/>

PROFESSIONAL SUMMARY

I am a Data Science graduate from Queensland University of Technology (QUT), having completed my degree in November 2024. With a passion for data analysis and problem-solving, I specialise in extracting insights, building data-driven solutions, and creating impactful visualisations. Proficient in Python, SQL, and Tableau, I am seeking entry-level Data Analyst or Data Engineer roles where I can contribute to innovative teams and grow in the field.

TECHNICAL SKILLS

- | | | | | |
|--------------|--------------|-----------------|--------------|--------------|
| • Python | • R | • MYSQL | • MATLAB | • TABLEAU |
| • SQLITE | • MONGODB | • MS SQL SERVER | • POSTGRESQL | • C# |
| • FLASK | • API | • REACT.JS | • NODE.JS | • EXPRESS.JS |
| • JAVASCRIPT | • AWS | • GIT | • DOCKER | • POWER BI |
| • MS AZURE | • DATABRICKS | | | |

PROJECTS

AutoML Web Application (Python, Streamlit, Pycaret)

- Developed an interactive web app that enables users to upload datasets, generate automated analyses, and train machine learning models.
- Integrated **Pandas Profiling** for statistical reports and **Pycaret** for model training.
- Designed a user-friendly interface for streamlined data uploads and model downloads.

Data Cleansing Project (MySQL)

- Implemented a four-step data cleansing process: removing duplicates, standardising data formats, handling null values, and dropping unnecessary columns.
- Ensured clean, structured datasets to support accurate and efficient downstream analysis.

Stock Market Prediction (Python, Scikit-Learn, Matplotlib)

- Preprocessed stock market data using Pandas for feature engineering.
- Applied **Random Forest Regressor** to predict stock prices, evaluating performance with RMSE and R2 scores.
- Visualised predictions to effectively communicate model accuracy and insights.

London Bike Sharing Analysis(Python, Pandas) & Dashboard(Tableau)

- Preprocessed bike-sharing data by handling missing values, renaming columns, and restructuring features for analysis.
- Conducted exploratory data analysis (EDA) using Pandas and visualised trends in bike usage.
- Created **Tableau Dashboard** to highlight key insights such as bike demand trends, weather impact, and seasonal patterns.

Flashcard App with AI Generator (ReactJS, Express, MySQL, OpenAI API)

- Developed an AI-powered web app that generates study flashcards and quizzes from uploading documents.
- Connected to **MySQL** database for efficient user and file data management.

Blockchain ETL Pipeline Using Bitquery API (Python, PostgreSQL, Bitquery API)

- Developed an ETL pipeline to extract, transform, and load Ethereum blockchain transactions into a **PostgreSQL** database.
 - Implemented API data extraction using **GraphQL** and optimised transformation processes for structured storage.
 - Designed a custom database schema to store transaction details, including sender, receiver, gas fees, and timestamps..
 - Utilised **Python** (pandas, SQLAlchemy, psycopg2) for data transformation and loading.
-

WORK EXPERIENCE

Project Contractor(Samsung Bixby's Algorithm Model) | Adsound, Seoul MAR 2021 - SEP 2021

- Recorded and processed voice data for algorithm training, ensuring high-quality datasets.
- Coordinated with international teams to coordinate recording process and data cleaning.

Retail Assistant | Galleria, Toronto DEC 2018 - FEB 2020

- Provided excellent customer service while supporting inventory management and daily operational tasks.
 - Assisted a multicultural clientele, strengthening interpersonal and communication skills.
-

VOLUNTEER

Industry Officer | QUTBANDS, Brisbane DEC 2023 - NOV 2024

- Collaborated with executive team members to organise events connecting students with industry professionals for students.
- Managed communications and logistics to ensure smooth and successful event execution.

Secretary | QUT KSA, Brisbane FEB 2024 - NOV 2024

- Organised and documented meeting agendas, minutes, and event run sheet.
- Coordinated logistics for student events, ensuring seamless execution and active participation.

Marketing Manager | QUTBANDS, Brisbane JUL 2023 - DEC 2023

- Created and promoted event content across social media platforms.
 - Boosted engagement and attendance through targeted, strategic marketing campaigns.
-

EDUCATION

Bachelor of Data Science FEB 2022 - NOV 2024

Queensland University of Technology

- Computational and Simulation Science & Data Mining and Artificial Intelligence Minor
 - Society: QUTBANDS, CodeNetwork, KSA
-

AWARDS & ACHIEVEMENTS

- Best Community Project - 2024 Winter Hackathon (AI Flashcard App).
 - Volunteer - QLD AI Summit 2024 (Queensland AI Hub).
-

REFEREES

- **Sehyeong Lee - Data Analyst, TMR | Email:** sehyeong.v.lee@tmr.qld.gov
- **Sam Park - Managing Director, One-on-One Education Consulting | Email:** sam.oec1@gmail.com