

JUSTIN LEE

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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.

WORK EXPERIENCE

Project Intern (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.

PROJECTS

Healthcare ETL Pipeline & Dashboard (Python, Streamlit, PostgreSQL) JUN 2025 - JUL 2025

- Scraped** and extracted structured datasets from the **AIHW** website, automating updates from multiple web pages and document types.
- Cleaned** and **transformed** Excel and CSV files, standardising formats for time-series analysis.
- Automated **statistical reporting** and generated visual summaries of key metrics such as health spending, hospital activity, and workforce trends.
- Built a **Streamlit dashboard** with filters by financial year, state, and demographics to enable interactive exploration of public health insights.

Blockchain ETL Pipeline (Python, PostgreSQL, Bitquery API) MAR 2025 - MAR 2025

- 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.

London Bike Sharing Analysis(Python, Pandas) & Dashboard(Tableau) JAN 2025 - FEB 2025

- 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.

AutoML Web Application (Python, Streamlit, Pycaret) JUN 2024 - AUG 2024

- 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.

Flashcard App with AI Generator (ReactJS, Express, MySQL, OpenAI API) JUL 2024 - JUL 2024

- 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.

Stock Market Prediction (Python, Scikit-Learn, Matplotlib) MAY 2024 - JUN 2024

- 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.

Data Cleansing Project (MySQL) APR 2024 - MAY 2024

- 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.

VOLUNTEER

Industry Officer | QUT BANDS: Business Analysis & Data Science - 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: Korean Student Association - 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 | QUT BANDS: Business Analysis & Data Science - Brisbane JUL 2023 - DEC 2023

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

TECHNICAL SKILLS

- *Python, R, Matlab, Tableau, PowerBI, MySQL, SQLITE, Microsoft SQL Server, PostgreSQL, MongoDB, NoSQL, C#, Flask, API, React.js, Javascript, Node.js, Express.js, AWS, EC2, GIT, Docker, MS Azure, Databricks*

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

- **Joseph Jung - Senior Validation and Certification Test Engineer, Tritium | Email:** jjung@tritium.com.au
- **Toni Peggrem - Chief Executive Officer, Queensland AI Hub | Email:** info@qldaihub.com
- **Sehyeong Lee - Data Analyst, Transport and Mains Road | Email:** sehyeong.v.lee@tmr.qld.gov
- **Sam Park - Managing Director, One-on-One Education Consulting | Email:** sam.oec1@gmail.com