

# Luan Tran

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## Experience

- **Data Analyst Associate** Sydney, Australia  
06/2025 - Present  
*Kpay Group*
  - Worked closely with **stakeholders**, BD, telesales, and product teams to define **KPIs** and **dashboards** tracking **payment machine rollout, merchant acquisition and conversion**
  - Consolidated **multi-source** sales and marketing data into a **single analytics layer** for **funnel, regional, and customer journey analysis**.
  - Built **analytics pipelines** using **dbt** and **Airflow**, with **Snowflake** as the warehouse and **Databricks** for scalable spatial processing, covering **1M+** merchant records.
  - Mapped BD workflows, identified **drop-offs** across the outreach process, and supported **A/B testing** and **UAT validation**.
- **Research Assistant** Sydney, Australia  
05/2025 - Present  
*Western Sydney University (Prof. Anupama Ginige)*
  - Built **ELT** pipelines (**dbt, Airflow, Snowflake**) for healthcare robotics data
  - Automated ingestion and **SQL aggregations, joins, and feature tables**, reducing data latency by **45%**
  - Added **dbt tests & monitoring, freshness checks** reducing manual QA **60%**
- **Data Engineer Intern** Sydney, Australia  
05/2024 - 03/2025  
*Skwill AI*
  - Led a team to build an agentic reporting **RAG** model with **GPT-4o** generating automated insights on **CPC, CTR, conversion trends, and customer behaviour**.
  - Developed scalable **ETL** pipelines for high-volume marketing logs, enabling fast campaign and **funnel analysis**.
  - Automated multi-channel data into dashboards for **ROI** and **attribution reporting**.

## Education

- Western Sydney University** Sydney, Australia  
Master by Research (Computer Vision & Data Processing)
- S P Jain School of Global Management** Sydney, Australia  
Bachelors of Data Science — Dean's List for 4 consecutive semesters  
Graduated, May 2025

## Certificates

- Power BI Data Analyst Associate (Microsoft Certified), **SQL (Advanced)** (HackerRank), **Databricks Lakehouse Fundamentals**, **AWS Certificated Cloud Practitioner**, **Data Engineer Certificate** (DataCamp), Top 100 Shopee Code League Finals (2022)

## Technical Skills

- **Data Analytics & Engineering:** Databricks, BigQuery, PySpark, Power BI, Tableau, Spark SQL, Python, SQL, PostgreSQL, NoSQL, Airflow, Snowflake, MongoDB, R
- **Tools & Technologies:** Excel, AWS, GCP, Docker, CI/CD, Apache Kafka, SealSuite, Git, Scikit-learn, Langchain, Hugging Face, MLflow, PyTorch,

## Personal Projects

- **Calendara - AI-Powered Calendar Assistant**  
(<https://ai-powered-calendar-assistant.vercel.app/>)  
*FastAPI, Next.js, PostgreSQL, Google Calendar API, Web Search*
  - Developed full-stack conversational assistant for natural-language scheduling & event retrieval.
  - Integrated **Google Calendar API** and **web search** for contextual event management.
  - Deployed multi-provider backend (**OpenAI/Gemini**) enabling smart intent routing.
- **Airtable Clone**  
(<https://airtable-clone-eta.vercel.app/>)  
*Next.js, TRPC, TanStack Table, PostgreSQL, Prisma*
  - Built Airtable-style data grid with **virtualized** infinite scroll supporting **100k+** rows.
  - Implemented dynamic columns, filtering, and real-time collaboration via **TRPC**.
  - Optimized **PostgreSQL** queries and **Prisma ORM** for **sub-100 ms** interactions.
- **Sports Analytics Data Pipeline**  
(<https://github.com/truongluan1202/Sports-Analytics-NoSQL-Database.git>)  
*MongoDB, PostgreSQL, Python*
  - Engineered ETL pipelines processing **1.9K+** shot events from **6** European football leagues.
  - Modeled both NoSQL (**MongoDB**) and relational (**PostgreSQL**) schemas for analytical workloads.
  - Added **triggers**, validation rules, and **indexing**, improving query speed **35%** and data reliability **40%**.