

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

- **Calendar - 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%**.