# Cedrus Dang

## Data Analyst

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## Professional Summary

**Data Analyst** with hands-on experience in **SQL-based data migration, validation, and operational reporting**. Skilled in **cleaning, restructuring, and verifying large datasets** to ensure **data quality, auditability, and reporting reliability**. Experienced in building **Power BI dashboards** and supporting non-technical teams with **accurate, ready-to-use data** for **KPI tracking** and **process improvement** in fast-paced operational environments.

## Experience

### TECHNOLOGY INTERN
Jun 2025 – Sep 2025

Captivate Connect

- Developed and maintained **an internal Python-based data processing workflow**, **reducing operational costs by 700 AUD per month** and **improving data reliability.**
- Supported **data preparation, transformation, and structuring** to ensure consistent integration with internal systems and **reporting workflows**.

### DATA MIGRATION INTERN
Mar 2025 – May 2025

Law Access Limited

- **Migrated and restructured over 10 years of legacy data** into a new SQL-based system, improving **data quality, auditability, and reporting reliability**.
- **Automated data transformation** and **validation workflows** using SQL, shell scripting, and Excel VBA, **reducing manual processing effort by ~70%** while ensuring **consistent data integrity**.
- Built lightweight internal tools to support operational teams and accelerate day-to-day data handling and **report preparation**.

### OPERATIONS TEAM LEADER
May 2022 – Aug 2023

DHL Supply Chain

- **Led a 40+ member operations team** across B2B and B2C fulfillments, achieving **95% on-time order fulfilment** under strict **SLA and KPI**.
- **Supported e-commerce launch** and **WMS implementation**, contributing to **operational efficiency** and site-level profitability.

### ASSISTANT OPERATIONS MANAGER
Oct 2019 – Jan 2022

T&C Logis Vietnam - Korean-Vietnam Logistic Co.

- **Coordinated** warehouse **operations**, **staff training**, and **vendor communication** for **multinational clients**, maintaining operational continuity during rapid growth and COVID-19 disruptions.
- Used **import–export flow, inventory, transport volume, and cost data** to **plan workforce allocation, transport scheduling, pricing decisions, and warehouse layout**, improving **operational and financial efficiency.**

### BUSINESS OPERATIONS ANALYST
Nov 2018 – Sep 2019

Hoa Sen Group

- Supported **business analysis**, **contract tracking**, and **operational reporting** during national retail network restructuring at HQ level.

- Contributed to **management decision-making** by delivering **analytical summaries** and **operational insights** supporting store network optimisation initiatives.

## Education

**MASTER OF SCIENCE (M.S.) in DATA SCIENCE**　　　　　　　　　　　　　　　　March 2024 - Dec 2025
The University of Western Australia

WAM: 75 - GPA: 6/7

**BACHELOR OF ECONOMICS**
Nong Lam University

## Skills

- **Programming Languages:** Python, SQL, R, Bash

- **Data Processing:** Pandas, NumPy, Excel

- **Data Analysis:** Data cleaning, exploratory data analysis

- **Data Visualisation & Reporting:** Power BI, Tableau

- **Database Management:** PostgreSQL, MySQL, ETL processes

- **Tools:** REST APIs, GitHub

## Selected Projects

- **Queensland Traffic Accidents Analysis (2001–2021):** Cleaned and integrated **20 years of crash data** using **Python**, and built **Tableau dashboards** for **data storytelling**, **trend analysis**, and **behavioural insights**. Identified **underreported fatigue incidents** and produced **policy-relevant analytical reporting**.

- **Data Warehouse & Power BI – Australian Road Fatalities 2024:** Designed a **Kimball dimensional model**, implemented **ETL pipelines**, and built a **Star Schema** warehouse in **PostgreSQL**. Developed **Power BI dashboards** enabling **OLAP**, **KPI reporting**, and **multidimensional analysis**.

- **Graph Database Analysis – Road Fatalities 2024 (Neo4j):** Modelled crash entities using a **Property Graph Schema** in **Neo4j** and built **Python data pipelines** for ingestion. Applied **Cypher queries** and **Graph Data Science (GDS)** for **relationship-based analytical exploration**.

- **Public Health Data Analysis & Classification Modelling:** Conducted **EDA** on **World Bank datasets** and applied **feature selection** to identify key mortality drivers. Built and validated **Decision Tree** and **Naive Bayes** models using **cross-validation**, achieving **96% classification accuracy**.

## Publications

- Dang T.T., Dang M.P., Mai D.Q. (2018). The awareness and willingness to pay of consumers for imported fruits with food safety certification. Journal of Agricultural Science and Technology, No.1/2018.

- Mai D.Q., Pham T.P., Le N., Pham T.T.C., Dang T.T., Chau T.L. (2018). Analysis of Water Use Efficiency in Grape Farming in Ninh Thuan Province. Journal of Agricultural Science and Technology, No. 2/2018.

## Referees

- Australian referees available upon request.