Tran Hai Dang

Ho Chi Minh City, Vietnam | (+84) 899 487 105 | tranhaidang07102005@gmail.com

EDUCATION

University of Technology (VNU)   **Ho Chi Minh City, Vietnam**
Bachelor of Computer Science   *Aug 2023 - Nov 2027*

- **Cumulative GPA:** 3.6 / 4.0;
- **Honors:** 4 consecutive OISP scholarship for outstanding academic achievement.
- **Language:** English (IELTS 7.0), Vietnamese (Native).

WORK & EXPERIENCE

VNTT   **Ho Chi Minh City, Vietnam**
Data Engineer Intern   *Nov 2025 – Jan 2026*

- Designed and implemented a **scalable** real-time data ingestion framework using **Apache NiFi and N8N**; processed IoT sensor **data streams** and reduced pipeline latency by **50%**.
- Performed **data cleaning**, **transformation**, and **load** to MongoDB, then **published** processed data to MQTT for **real-time** insights and scalability.
- Developed and deployed **real-time energy forecasting models** (Prophet, LightGBM) via **MLflow**, achieving a **10% MAPE**.

Global Insurance Company   **Ho Chi Minh City, Vietnam**
Analytics Engineer Intern   *June 2025 - Sep 2025*

- Designed and implemented robust **daily reset pipelines** for Claim Report using Fabric, resulting in a **30%** reduction in pipeline runtime on **Microsoft Fabric**.
- Rebuilt and optimized a dynamic Renew Report in Power BI, helping DA summarize the **exposure**, **renewal rate** and **premium written** in different territories.
- Performed data cleaning, data modeling, transformation, and statistical analysis to support actuarial decision-making.

PROJECTS

Data Warehouse and DSS System   *Sep 2025 - Nov 2025*

- Conducted an in-depth analysis of the Transaction record for CompanyX, involving **72 tables** structured within an ERP system.
- Designed a **Constellation-Schema** Data Warehouse using **PostgreSQL** focused on analyzing churn rate and classification; implemented **SCD Type 2** for historical tracking.
- Project link: https://github.com/Haidendoo/Customer-Churn-DSS-Data-Warehouse.git

End-to-end Football ETL Pipeline   *March 2025 - April 2025*

- Designed and implemented an end-to-end ETL pipeline for 10 source tables with over **1 million records each.**
- Engineered a containerized ETL pipeline using **Dagster**, **PySpark**, and **dbt** on Postgres, featuring a Streamlit interface, using **BeautifulSoup** for data enrichment.
- Project link: https://github.com/Haidendoo/Football-etl-pipeline.git

SKILLS & CERTIFICATIONS

Technical skills:

- **Languages**: Python, C/C++, SQL, R
- **Databases** : MySQL, PostgreSQL, SQL Server, MongoDB
- **Data Processing Tools:** Spark, Pandas, dbt, Nifi, dlt
- **Visualizations** : Power BI, Streamlit, Metabase
- **Orchestration:** Dagster, Airflow, MLflow
- **Containerization and Version control:** Docker,Git

Certifications:

- **Google Data Analytics Professional Certificate** - Issued by Coursera
- **Astronomer Airflow 3 Fundamentals** - Issued by Astronomer
- **SQL (Advanced)** - Issued by Hackerrank