

NHA DO

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PROFESSIONAL SUMMARY

Data Engineer with a strong background in building intelligent, scalable, and automation-driven data systems that power analytics, AI applications, and enterprise-level decision-making. Experienced in end-to-end data product development, cloud data engineering, and agentic AI workflow automation using LangChain/LangGraph. Proven ability to transform fragmented data ecosystems into governed, reliable, high-value data assets.

EXPERIENCES

AT&T Inc. January 2023 - Present

Data Engineer

Dallas, Texas

- Designed and integrated an agentic AI automation system using **LangChain, LangGraph, and LLMs** to analyze metadata, database schemas, and data lineage — enabling intelligent interpretation of structured and unstructured datasets across the enterprise.
- Led a development team in designing and building an **mission-critical data model** that enables profitability trend monitoring for the wireline business and supports copper network sunset planning across thousands of wire centers. The solution processes over **\$9 billion in quarterly revenue** and powers multiple **Power BI dashboards with dynamic visualizations and drill-through analytics**, providing a single source of truth for fast, data-driven decision-making.
- Managed cloud data infrastructure and the **Service Now - Snowflake data connector**. Developed multiple custom data solutions to reduce ad-hoc processes and support analytics, Machine Learning and Generative AI applications that save **\$60 million annually**.
- Empowered internal clients to utilize data to solve business problems while collaborating cross-functional teams to create and maintain Data Products that adhere to **SOX compliance and data governance standards**.
- Modernized the process of eligibility checking for mobile device promotions by creating automated and cloud-based solution which can save **2000 hours a year** of manual checking and affects nearly **2 million AT&T subscribers**.

AT&T Inc. June 2022 - September 2022

Network Engineer Intern

Middletown, New Jersey

- Delivered multiple business and custom reports in DEEP/ Palantir Platform to assist for fiber installation of construction and engineering teams.
- Designed a new landing page in DEEP to centralize all Slate reports that support hundreds of access every day.
- Developed a Machine Learning-based software solution to evaluate car accident index.

AWARDS

AT&T Connection Award August 2025

AT&T TDP Hacks Machine Learning Winner February 2024

TECHNICAL SKILLS

Programming: Python, C/C++, Matlab, Java, JavaScript, HTML, CSS

Databases: Snowflake, PostgreSQL, SQL Server

Open-source Frameworks: Spark, LangChain, LangGraph, TensorFlow, Keras, Scikit-learn, NLTK, OpenCV

Other Software/ Tools: Databricks, Microsoft Azure, DEEP/Palantir, Power BI, Tableau, L^AT_EX, Linux, Git/Github

Language: Vietnamese, English

EDUCATION

Georgia Institute of Technology Atlanta, Georgia

Master of Science in Computer Science

August 2025 - Present

University of California, Los Angeles (UCLA)

Los Angeles, California

Bachelor of Science in Electrical Engineering

December 2022