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☎(951)-412-7251 📍 Dallas, Texas, United States

in [linkedin.com/in/nhado401/](https://www.linkedin.com/in/nhado401/) 🐙 [nhado401.github.io/](https://github.com/nhado401) ✉ nd5321@att.com

EXPERIENCES

AT&T Inc.

January 2023 - Present

Data Engineer

Dallas, Texas

- Designed and implemented an ETL data pipeline to automate the process of importing data from multiple sources, streamlining cloud data ingestion and reporting. Improved efficiency and reduced the effort required to generate financial reports and dashboards. Provided support for data analysis, uncovering insights and identifying patterns.
- Led and developed multiple Python classes to automate the table validation process to ensure the accuracy and mitigate the gap in Fact tables, which will help to troubleshoot possible root causes and detect data discrepancies.
- Conducted data analysis to create an automated and cloud-based solution which can save 2000 hours a year of manual checking and will affect to nearly 2 million subscribers. Modernized the process of eligibility checking for mobile device promotions.
- Created and maintained automated anomaly detection tools to modernize the current manual process of monitoring daily reports, which can save hundreds of hour per year. Documented, organized technical specifications.
- Designed, developed and tested machine learning model to predict and prevent possible cybersecurity attacks on Twitter (Common Vulnerabilities and Exposures binary classification).

AT&T Inc.

June 2022 - September 2022

Network Engineer Intern

Middletown, New Jersey

- Created business and custom reports within DEEP/ Palantir Platform using JavaScripts, HTML, CSS, PostgreSQL.
- Transitioned multiple data sources using SQL and PySpark from on-premises system into cloud in Snowflake/DEEP.
- Designed a new landing page in DEEP to centralize all Slate reports for easier access.
- Developed a Machine Learning-based software solution to evaluate car accident index.

UCLA Speech Processing and Auditory Perception Lab

June 2021 - September 2021

Undergraduate Research Assistant

Los Angeles, California

- Cleaned and analyzed speech dataset of children in different regions across the country.
- Trained and evaluated the efficiency of the Transformer Model for Automatic Speech Recognition.

AWARDS

AT&T TDP Hacks Machine Learning Winner

February 2024

Designed and developed a Machine Learning model for Natural Language Processing Binary Classification.

AT&T Connection Award

November 2023

Recognition for accomplishments in developing Automation and Detection Tools.

TECHNICAL SKILLS

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

Databases: Snowflake, PostgreSQL, SQL Server,

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

Other Software/ Tools: Databricks, Microsoft Azure, DEEP/Palantir, Power BI, Adobe, \LaTeX

Language: Vietnamese, English

CERTIFICATIONS

Microsoft Azure Fundamentals

2024

Microsoft

Generative AI with Large Language Models

2023

Coursera

EDUCATION

University of California, Los Angeles (UCLA)

Los Angeles, California

Bachelor of Science in Electrical Engineering

December 2022