NHA DO

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EXPERIENCES

AT&T Inc. **January 2023 - Present**
Data Analyst *El Segundo, California*
- Leading and developing multiple Python classes to automate the table validation processes to ensure the accuracy and mitigate the gap in end tables, which will help to troubleshoot possible root causes and detect data discrepancies.
- Conducting data analysis to assist design and development teams 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.
- Creating an automated anomaly detection tool to modernize the current manual process of monitoring daily report, which can save hundreds of hour per year.
- Engaging actively into different AT&T's innovation competitions. Proposed and delivered a web-based application to save AT&T's resources by allocating and monitoring bandwidth optimally to the IoT devices within AT&T network.

AT&T Lab **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 the old system into the new system in DEEP.
- Designed a new landing page 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.

PROJECTS

Embedded Machine Learning System for Diseased Leaf Detection | *Python / C - STM32 H743ZI2* **2022**
- Proposed an effective apporoach to fit the dataset and enhance model's accuracy under 1MB memory constraint.
- Optimized the weights and biases when deploying the model on embedded system.
- Implemented successfully 4 layers of 2-Dimension Convolutional Neural Networks.

Spam Email Classification | *Python* **2021**
- Analyzed the words appearances and calculated their probabilities based on Naiive Bayes Theorem.
- Optimized the model by using Scikit-learn library with 97% of accuracy.

TECHNICAL SKILLS

Programming: Python, C/C++, Matlab, Java, JavaScript, HTML, CSS
Databases: PostgreSQL, SQL Server
Open-source Framework: Spark, TensorFlow, Keras, Scikit-learn, NLTK, OpenCV
Other Software/ Tools: Databricks, Snowflake, Microsoft Azure, DEEP/Palantir, Power BI, LaTeX, Adobe Premiere Pro, Adobe Audition
Language: Vietnamese, English

CERTIFICATIONS

Snowflake - The Complete Masterclass **2023**
Udemy Academy
Computer Vision Course **2022**
Udemy Academy

EDUCATION

University of California, Los Angeles (UCLA) **Los Angeles, California**
Bachelor of Science in Electrical Engineering *December 2022*