NHA DO

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EDUCATION

University of California, Los Angeles (UCLA) **September 2020 - December 2022**
Bachelor of Science in Electrical Engineering *GPA: 3.66*

Coursework: Digital Signal Processing, Data Science & Machine Learning, Data Structure, Graph Theory, Applied Numerical Computing, Communication Systems, Probability and Statistics.

TECHNICAL SKILLS

Programming:	Python, C/C++, Matlab, Java, Verilog
Databases:	PostgreSQL
Open-source Framework:	TensorFlow, OpenCV
Other Tools:	LaTeX, MS Office, Adobe Premiere Pro, Adobe Audition
Language:	Vietnamese, English

EXPERIENCE

AT&T Research Lab **June 2022 - September 2022**
Network & Data Engineer Intern *Middletown, New Jersey*
- Created business ready data sets 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.
- 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*
- Filtered audio signals and analyzed the dataset.
- Trained and evaluated the efficiency of the Transformer Model for Automatic Speech Recognition.

PROJECTS

Diseased Leaf Detection Deployed on Embedded System | *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 2D CNNs.

Diseased Leaf Detection and Classification | *Python* **2022**
- Collected, extracted and analyzed data using Pandas, NumPy libraries.
- Created and developed an Ensemble Learning of EfficientNetB7 and Exception model with 96% of accuracy.

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.

House Price Prediction | *Python* **2021**
- Extracted, analyzed and visualized the dataset.
- Developed a data transformation to optimize the Linear Regression Model.
- Built a valuation tool for the prices prediction.

CERTIFICATIONS

Computer Vision Course **2022**
Udemy Academy
Master SQL for Data Science **2021**
Udemy Academy