

# NHA DO

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## EDUCATION

**University of California, Los Angeles (UCLA)**

**September 2020 - January 2023**

*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

<b>Programming:</b>	Python, C/C++, Matlab, Java, Verilog
<b>Databases:</b>	PostgreSQL
<b>Open-source Framework:</b>	TensorFlow, OpenCV
<b>Other Tools:</b>	L <sup>A</sup> T <sub>E</sub> X, MS Office, Adobe Premiere Pro, Adobe Audition
<b>Language:</b>	Vietnamese, English

## EXPERIENCE

**AT&T Research Lab**

**June 2022 - Present**

*Network & Data Engineer Intern*

*Middletown, New Jersey*

- Creating business ready data sets and custom reports within DEEP/ Palantir Platform using JavaScripts, HTML, CSS, PostgreSQL.
- Transitioning multiple data sources using SQL and PySpark from the old system into the new system in DEEP.
- Developing 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 approach 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 Naïve 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*