

NHA DO

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EDUCATION

University of California, Los Angeles (UCLA)

September 2020 - January 2023

Bachelor of Science in Electrical Engineering

GPA: 3.72

Coursework: Digital Signal Processing, Data Science & Machine Learning, Data Structure, Graph Theory, Applied Numerical Computing, Analog Electronic Circuits, Logic Design of Digital Systems, Probability and Statistics

TECHNICAL SKILLS

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

EXPERIENCE

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.
- Collaborated with a Ph.D student to enhance the accuracy of the model.

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 the 2D CNNs with high accuracy.

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.
- Enhanced the model accuracy by taking the average values to achieve 96%.

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.
- Achieved the accuracy of 97%.

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.

Line Following Robotic Car | MSP 432, C++

2020

- Utilized MSP432 microcontroller to operate a line following car robot to follow designed curved path.
- Completed a round trip in 9s for a track with 52 5/8 inches long and about 6 1/8 inches wide.

CERTIFICATIONS

Computer Vision Course

2022

Udemy Academy

Master SQL for Data Science

2021

Udemy Academy