NHA DO

Winchester, California, United States (951)-412-7251
linkedin.com/in/nhado401/ nhado401.github.io/ nhado401@gmail.com

EDUCATION

University of California, Los Angeles (UCLA) **September 2020 - January 2023**
Bachelor of Science in Electrical Engineering *GPA: 3.69*

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

TECHNICAL SKILLS

Programming:	Python, C/C++, Matlab, Java, Verilog
Open-source Framework:	TensorFlow, OpenCV
Other Tools:	Latex, 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*
- Trained an End-to-end model using Automatic Speech Recognition (ASR) with Transformer
- Filtered signals and analyzed data
- Collaborated with a Ph.D student to enhance the accuracy of the model

PROJECTS

Handwritten Digits Recognition | *Python / C - STM32 H743ZI2* **2021**
- Created and trained a machine learning model to classify handwritten digits in Python.
- Designed and developed the Convolutional layer, Max pooling layer and Dense layer in C.
- Embedded the weights and biases of the pre-trained model into the Microcontroller STM32 H743ZI2 board.

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

House Prices Prediction | *Python - Jupyter Notebook* **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.

Fire Warning Device | *Micro-controller 8051, C* **2016**
- Developed an electronic device using Micro-controller 8051 to control some environmental conditions.
- Programmed to measure temperature, humidity, gas, current and displayed on a LCD soldiered on the circuit.

AWARD

Encouragement Scholarship **2013-2014**
Da Nang University of Science and Technology *Da Nang, Vietnam*