

NHA DO

📍 Winchester, California, United States 📞 (951)-412-7251

in [linkedin.com/in/nhado401/](https://www.linkedin.com/in/nhado401/) 🐙 [nhado401.github.io/](https://github.com/nhado401) ✉ nhado401@gmail.com

EDUCATION

University of California, Los Angeles (UCLA)

Bachelor of Science in Electrical Engineering

Sept. 2020 - Jan. 2023 (Expected)

GPA: 3.631

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

Undergraduate Research Assistant

Jun. 2021 - Sept. 2021

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

Plant Pathology - Machine Learning on Embedded System | *Python / C - STM32 H743ZI2*

In Progress

- Create a deep learning model to classify diseases in apple trees
- Embed the weights of the pre-trained model into Microcontroller STM32 H743ZI2 board
- Optimize the Convolutional layer, Max pooling layer in C

Spam Email Classification | *Python - Jupyter Notebook*

2021

- Extracted words and calculated their probabilities based on Naïve Bayes Theorem
- Optimized the model by using Scikit-learn library
- Achieved the accuracy of 97%

Pooling Filter | *Verilog*

2021

- Designed and simulated a pooling filter digital circuit in Verilog
- Reduced the size of an input image while keeping relevant features of the input and discarding irrelevant information

Line Following 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 soldered on the circuit

AWARD

Encouragement Scholarship

Da Nang University of Science and Technology

2013-2014

Da Nang, Vietnam