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EDUCATION

University of California, Los Angeles (UCLA)

September 2020 - December 2022

Bachelor of Science in Electrical Engineering

GPA: 3.691

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

TECHNICAL SKILLS

Programming:	Python, C/C++, Matlab, Java, JavaScript, HTML, CSS, 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

EXPERIENCES

AT&T Research Lab

June 2022 - September 2022

Network & Data Engineer Intern

Middletown, New Jersey

- Created business & 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.
- Designed a new landing page to centralize all Slate reports for easier access.
- 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 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