TRAN QUANG DUONG

in GnoudQ
✉ traanquangduong@gmail.com
📞 +84 338730486

Education

FPT University
Artificial Intelligence; Curent GPA: 3.2
Oct.2020 – Dec.2024 (expected)

Relevant Coursework
Connecting to Computer Science, Computer Organization and Architecture, Data Structures and Algorithm, Artificial Intelligence, Database Systems, Statistics and Probability, Machine Learning, Computer Vision, Deep Learning, Search Engines, Text Mining

Awards

3rd	Provincial Scientific and Technical Research Competition	*2019*
Representing the province	National Student Entrepreneurship Day	*2019*

Technical skills

Programming Languages	Python, C/C++, SQL
Framework	Tensorflow, Pytorch, Scikit-learn, Pandas, OpenCV
Techniques	Machine learning Algorithms, Deep learning Algorithms, Signal Processing, Face Recognition, Object detections

Certificate

Software Development Lifecycle	Sep.2022
IBM Data Warehouse Engineer	Jan.2023
IBM Data Engineering	May.2023
IBM Full Stack Software Developer	May.2023
TensorFlow for CNNs: Learn and Practice CNNs	Oct.2023

Project

Image and video retrieval using Content-Based Image Retrieval
Aug.2023 – Present
Project link: https://github.com/tunneee/Glimpse-Album-Retrieval-System

- Utilized Multi-task Cascaded Neural Network (MTCNN) for accurate face detection in images within the Glimpse system.
- Employed advanced embedding models to convert facial features into numerical vectors, enhancing the system's ability to categorize and retrieve media.
- Managed the integration of these face embeddings into the Qdrant Vector Database, ensuring efficient storage and quick retrieval of data

Publications

Evaluating Audio Feature Extraction Methods for Identifying Bee Queen Presence
https://doi.org/10.1145/3628797.3628852

- Implemented Fast Fourier Transform (FFT) method for efficient extraction of audio features from audio datasets.
- Applied Machine Learning and Deep Learning techniques to train models specifically on the extracted audio features.
- Project link: https://github.com/tunneee/bee-acoustic-classification