Tran Trung Hieu

AI Engineer

✉ trantrunghieumd@gmail.com   📍 Hanoi, Vietnam

EDUCATION

Hanoi University of Science and Technology (HUST) Sep 2014 - 2019	*Enginneer degree in Computer Science* GPA: 3.44 / 4.0

CERTIFICATIONS AND AWARDS

2014	Third prize at Vietnam Olympiad in Informatics (VOI)
2015	Second prize (rank 2/20) at ACM/ICPC HUST Third prize (rank 13/186) at ACM/ICPC Asia Regional
2017	Winner of Start-up for life contest (HUST) BKFACE - Face Recognition System

EXPERIENCE

VDSense JSC
Oct 2019 - Present
	AI Product Lead
	VDSense is a start-up that designs and builds AI products using deep learning technology.
	- Face Recognition Project
	  • Lead the product team in building FR devices
	  • Implement web-based content management system, monitoring system.
	  • AI: Face detection, Face filter, Face recognition, Facial expression recognition, Fraud detection,...
	  • Compress model to deploy efficiently on cloud and edge devices.
	  • Plan and test.
	- Optical-character-recogniton Project
	  • Design and build smart cameras to capture efficiently cards and documentations.
	  • AI: Object detection, Motion detection.

| **VDSmart Technology JSC** | *AI Engineer* |
| Jun 2019 - Oct 2019 | - Smart Class Project |

VDSmart Technology JSC
Jun 2019 - Oct 2019

AI Engineer
- Smart Class Project
- Design and build student check-in systems using face recognition.
- Implement auto-control PTZ camera (rotate / scan / zoom) to scan the entire classroom during class to detect break-outs.
- Implement auto-control PTZ camera (rotate / scan / zoom) to track teachers and speakers.
- Smart Shop Project
- Design and build face recognition systems to detect and count VIP, familiar customers.
- Design and build counter-left staff detection system

Technology: Face recognition, Face detection, Human body detection, Staff detection, Object tracking and counting.

AI Academy Vietnam
Sep 2018 - Jun 2019

AI Engineer and Teaching assistance
- Design lectures for hands-on courses: Basic machine learning, Computer vision, Deep learning.
- Research and build computer vision systems: Face recognition, Intelligent traffic system, Video summarization.

Umbala Network
Mar 2018 - Jul 2018

Intern
Umbala Network aims to create an open camera blockchain platform to connect billions of cameras all over the world to accelerate various decentralized camera-based business models.
- Trained on blockchain and video streaming

Viettel Cyber Security
May 2017 - Feb 2018

Intern
- Trained on Information Security
- Research and develop Machine learning solutions for Internet Anomaly Detection

SKILLS

Algorithms	Graphs, Dynamic programming, Data structures
Artificial Intelligence	Machine learning, Deep learning, Computer vision
Programing Languages	C/C++, Python, Matlab, Java, Javascript
Frameworks	AI: Tensorflow, Keras, OpenCV, Scikit-learn, Pytorch, Mobile Neural Network (MNN) Data mining: Pandas, Scikit-learn, Matplotlib Others: SQL, FastAPI, Flask, Redis, PyQT
Foreign Language	English - TOEIC 700/990