

Contact

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(LinkedIn)

Top Skills

Machine Learning
Python
C/C++

Honors-Awards

Kumho Asiana scholarship, Viethope scholarship, Odon-Vallet scholarship
Third prize in The National physics Olympiad, Vietnam
Special prize of physics and youth magazine, Vietnam
Winner of Zalo AI Challenge
Winner of AIVIVN 2019

Dung Nguyen Ba

Principal AI Engineer | Kaggle Competition Grandmaster
Vietnam

Summary

- 8 years of experience in deep learning and computer vision
- Kaggle competitions grandmaster, highest rank 5 in the overall kaggle ranking among more than 200.000 competitors
<https://www.kaggle.com/nguyenbadung>
- 5 years of experience in android application development
- 1 year of experience in embedded software development

Experience

FPT Smart Cloud

Principal AI Engineer | Tech Lead
April 2023 - Present (2 years)
Vietnam

- OCR: text detection, text recognition, table reconstruction, key information extraction
- eKYC & video KYC: face detection, face recognition, face liveness, fraud detection, deepfake detection
- LLM, Vision-LLM: multimodal document understanding, key information extraction

Kaggle

Competition Grandmaster
October 2017 - Present (7 years 6 months)

Highest rank 5/205340 competitors

- 1st place/2245 teams : Global Wheat Detection Challenge
- 1st place/1305 teams : SIIM-FISABIO-RSNA COVID-19 Detection Challenge
- 2nd place/3611 teams : Google Analytics Customer Revenue Prediction Challenge
- 3rd place/784 teams : RSNA STR Pulmonary Embolism Detection Challenge
- 4th place/2737 teams : ISIC Skin Cancer Detection Challenge
- 6th place/468 teams : Inclusive Images Challenge
- 13th place/1547 teams : RANZCR CLiP - Catheter and Line Position Challenge

- Co-organized a \$50,000 challenge about chest X-ray abnormalities detection

Vingroup Big Data Institute

Principal AI Engineer

November 2019 - March 2023 (3 years 5 months)

Hanoi, Vietnam

<http://vindr.ai>

- Lead AI Team, Project Manager
- Build AI models to identify and localize abnormalities on chest xray images, mammogram images, chest CT scans, Liver CT scans, brain CT scans, brain MR scans

Cybercore.co.jp

Senior AI Engineer

September 2017 - October 2019 (2 years 2 months)

Ho Chi Minh

- Lead AI Team, Project Manager
- Face detection, face recognition, action recognition

FPT Software

Software Engineer

September 2016 - August 2017 (1 year)

Hanoi, Vietnam

Embedded networking laboratory

Research Assistant

August 2013 - July 2016 (3 years)

Hanoi University of Science and Technology

- [Samsung's patent] Toward manipulating smartphones by eyes movement
- Use Emotiv headset to capture EEG values of eyes-movement signals and send to android device
 - Use FIR (Finite Impulse Response) filter to reduce noise
 - Distinguish and use eyes-movement signals (blink, up, down, left, right) to control application on Android devices

[Thesis] Handwriting recognition based on hand movement acceleration

- Use smart watch to collect hand movement acceleration data and send to android devices via bluetooth protocol
- Built a neural networks model to detect and identify patterns of handwriting (alphabets, numbers, math symbols) based on hand acceleration data

Education

Hanoi University of Science and Technology

Bachelor of Engineering, Electronics and Telecommunications, Talented
Engineer's Program · (2011 - 2016)