

Hoang Tung Lam

Pre-Senior AI Engineer

My goal is able to learn and apply machine learning to make products that would make an immediate impact. I always seek for a great opportunity to improve myself and towards achieving my goal.



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WORK EXPERIENCE

AI Researcher/Engineer Techainer

06/2019 - Present

Hanoi, Vietnam

Achievements/Tasks

- Develop and maintain all Computer Vision modules in MasterEKYC, DocChain, and CVChain for multiple customers.
- Deploy Computer Vision module for Horus smart camera product on various edge devices.
- Maintainer and contributor of MLChain platform, which covers the whole AI workflows.
- Developed Visual Search Engine for fashion items.

AI Researcher Cinnamon AI Labs

12/2018 - 02/2020

Hanoi, Vietnam

Achievements/Tasks

- Improved accuracy of Japanese and English OCR module to 98%.
- Developed and maintain a heuristic-based Information Extraction module for document understanding in Flax Scanner for multiple customers.
- Research about generate images of handwritten text for handwriting OCR using CycleGAN.
- Research about End to end information extraction from documents images based on Instance Segmentation.

AI & Machine Learning Intern Zinza Technology

07/2018 - 12/2018

Hanoi, Vietnam

Achievements/Tasks

- Implemented, trained and tuned various Deep Learning models (CNN, RNN) for handwriting OCR and Object Detection.
- Created a pipeline that can generate up to 60 million training images for Handwriting Vietnamese Address OCR models.
- Worked with a small team, using version control systems, collaboration boards, and cloud computing.

EDUCATION

Bachelor of Computer Science Hanoi University of Industry

07/2017 - 04/2021

Deep Learning Specialization deeplearning.ai

03/2018 - 08/2018

Course Grade 95.7%

SKILLS

Self Research

Problem Solving

Presentation

Linux

C/C++

Python

Tensorflow

PyTorch

AWS

Docker

TensorRT

TorchScript

PERSONAL PROJECTS

mlchain-python (05/2020 - Present)

- Maintainer and contributor of MLChain: *Auto-Magical Deploy AI model at large scale, high performance and easy to use*

torchjs (11/2020 - 12/2020)

- NPM package that helps deploy TorchScript model on NodeJS

Colab SSH (12/2020 - 12/2020)

- A utility to create SSH tunnel to a running Google Colab notebook

CRAFT Text Detector for Japanese (10/2019 - 11/2019)

- Re-implementation of CRAFT Text Detection for Japanese Text Detection including training script.

LineHTR (10/2018 - 11/2018)

- Line-level Handwritten Text Recognition with TensorFlow using CRNN + CTC with 84% accuracy on Cinnamon AI Marathon datasets

ACHIEVEMENTS

AWS Hackdays Online 2020 Vietnam (07/2002)

1st runner up. Created "Smart Airport Screener System HORUS" using Facial Recognition and OCR to help automate a part of the screening process

Bedrock Hackathon 1.0: OMG it's OCR! (08/2019 - 08/2019)

Runner-up of the hackathon. Applied OCR and computer vision to build an auto fill PDF tool for Bedrock. Specifically for Financial Aid Form.

FPT's Driverless Car Challenge (12/2018 - 04/2019)

Top 2 in the elimination round of 2019 FPT's Driverless Car Challenge in Hanoi, defeat 15 others teams in programming a self-driving race car in a simulated environment.

Cinnamon AI Marathon Challenge (10/2018 - 11/2018)

Top 3 on leaderboard, used Deep Learning System (RCNN + CTC) and self-generated training data to solve Handwriting OCR for Vietnamese Address with 84% characters accuracy.

LANGUAGES

Vietnamese



English



INTERESTS

Computer Vision

Robotics