NGUYEN HUY LINH

AI Engineer

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EXPERIENCE

AI Engineer
HBLab

📅 2019 – Ongoing   📍 Ha Noi

POCR project:
- Converted CRAFT model + weights from pytorch to Keras. Wrote weakly supervised training code (which is not included in source code)
- Text localization + recognition for Japanese receipts.

AI Engineer (With the focus on Computer vision)
FPT Software

📅 2018 – 2019   📍 Ha Noi & Ho Chi Minh

MRBN project:
- Implemented a (real time) warning system for supermarket when its sheves are empty:
  - Detected human in videos.
  - Modified + implemented a custom change detection algorithm.
  - Designed + integrated a web UI to demonstrate the results.

MVCNN project:
- implemented a custom network for image retrieval from multi-view images problem.
- modified a augmentation generation.

Unilever project:
- detected & OCR (real-time) product code number in moving carton boxes.
- counted the number of lift by cranes in videos.

Data Scientist
FPT Telecom

📅 2017 – 2018   📍 Ho Chi Minh

PlayTV Recommendation System project:
- Designed & deployed a Recommendation System for a large video platform (millions of users). Using: Collaborative filtering, content-based.
- Scraped data from IMDb (and other websites).

Data Scientist Apprentice
Tenpoint7

📅 2016 – 2016   📍 Ho Chi Minh

D2O project:
- Built models for time series predicting (hospitality revenue).
- Visualized results.
- Optimized code for better performance.

SIDE PROJECTS

Chrome TRex bot
https://github.com/Tulip4attoo/chrome_trex

📅 2017

- Created an end-to-end bot to play Chrome Dinosaur game.
- Used screenshots as input of my model.
- Used Genetic Algorithms (GA) as the optimizer.

EDUCATION

Exchange student in School of Computer Science and Statistics
Trinity College Dublin

📅 2016 – 2017

- ST4003 Data Analytics (Dr. Myra O'REGAN)
- ST3010 Multivariate Linear Analysis (Prof. Simon WILSON)
- ST3455 Modern Statistical Methods (Dr. Brett HOULDING)

M.S. in Quantitative Finance
John von Neumann Institute

📅 2015 – 2016

- Advanced Machine Learning and Data Mining (Prof. Bao HO)
- Text and Web Mining (Prof. Tru CAO)
- Models for Credit and Interest rate - Risk Management (Dr. Lap NGUYEN)
- Decision Analysis (Dr. Brett HOULDING)

B.A. in International Economics
Foreign Trade University

📅 2010 – 2014

Major in Mathematics
High school for gifted student, VNU

📅 2007 – 2010

SKILLS

Deep Learning   Computer vision
Collaborative Filtering
Genetic Algorithm

Python   Keras   OpenCV   Unity
Git   JS + HTML

BLOG

Technical Blog
https://tulip4attoo.github.io/

Wrote about my side projects, competitions and technical things. I also coded its theme.