THUY NGUYEN-CHINH

AI Engineer & Computer Vision

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PROJECTS

Iris Recognition

https://github.com/AntiAegis/Iris-Recognition

June 2017 – December 2017

- ***Role:*** Leader.
- ***Description:*** I organized a team of 6 members to conduct a research about Iris recognition algorithms from science articles as a Summer project.
- ***Target:*** Two versions of Iris recognition application on Python and Matlab. Both of them are implemented on Linux.
- ***Language:*** Python + OpenCV, Matlab.

Event Information Extraction from Flyers

https://github.com/AntiAegis/Event-info-extraction-from-flyers

September 2017 – October 2017

- ***Role:*** Algorithm development.
- ***Description:*** This was my project with 2 classmates in the course "Digital Image Processing". Our work was reading an article from the Standford university and then realizing it into code.
- ***Target:*** A Matlab GUI extracting important information of events as text (e.g. time and location) from poster or flyer images.
- ***Language:*** Matlab.

Automatic Control via Internet

https://github.com/AntiAegis/Automatic-control-via-Internet

September 2017 – November 2017

- ***Role:*** System architecture, Networking, Firmware.
- ***Description:*** This was my project in the course "Embedded System Design". My team had 4 members and we designed ourselves a Linux embedded system based on knowledge learned from the course.
- ***Target:*** A smart home security prototype installed on Raspberry, MCU TIVAC-1294, and Linux computers.
- ***Language:*** C, Shell Script.

Forgery Image Detection

My current research and pre-thesis

April 2018 – On going

- ***Role:*** Leader.
- ***Description:*** I and my colleague are researching about Deep Learning approaches in Forgery Image Detection field. We read papers of conventional methods, then link them to modern Deep Learning models, which we learned from online courses and journal articles.
- ***Target:*** Deep Learning models solving emerging Forgery Image Detection problems.
- ***Language:*** Python + Tensorflow.

OBJECTIVES

- I am looking for an AI engineer/Computer Vision position.
- I have a passion for Software and Computing, therefore, I want to cultivate my knowledge as well as progress my career in this field.

ABILITIES/STRENGTHS

Mathematics | C | Python | Matlab | Machine Learning | Deep Learning | Linux | OpenCV | Tensorflow | Science article | Self study | Leadership

LANGUAGES

Vietnamese (native) ●●●●●

English (IELTS 6.0) ●●●○○

EDUCATION/COURSES

B.S. in Electrical & Electronics

HoChiMinh city University of Technology

September 2015 – June 2019

Talent class of Electronics-Communications
Current GPA: 8.89

Machine Learning (Coursera)

Standford University – Andrew Ng

January 2018 – Febuary 2018

Convolutional Neural Networks for Visual Recognition (CS231n)

Standford University – Fei-Fei Li

Febuary 2018 – April 2018

REFEREE

Prof. Dr. Thuong Le-Tien

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Prof. Dr. Thuong is also an IEEE fellow. His main field of research is Forgery Image Detection. Now, he is guiding me to explore about Deep Learning approaches to solve new challenges in his research topic.