Ta Anh Tuan

AI Engineering Intern

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OBJECTIVE

Programming is my true passion in life, especially Artificial intelligence(AI) which is one of the tech fields of the future. I realize it is of paramount importance to deeply integrate AI technology in e-commercial products nowaday. That idea encourages me to want to learn more about AI knowledge and its industry applications. Working in a tech company could help me to acquire a significant amount of programming skills, comprehensive understanding of AI systems, and some skills needed in workplace like teamwork, communication, self-learning, problem-solving.

EDUCATION

Aug 2016 - Present

Post and Telecommunication Institute of Technology
Major: Software Engineering
Year: Senior student

WORK EXPERIENCE

Oct 2016 - January 2017

PortalBeanz
IOS intern
Recognition and Gains:
- Learned some knowledge about programming skills, and languages like C++, Objective-C

Personal Projects

Developed several projects including celebrity face recognition, traffic sign recognition, and human activity recognition.

1. **Celebrity face recognition** (Computer Vision)

Train Set: labeled images of 3 different persons / classes(donald trump, mohamed salah, leonardo dicaprio)

Testing method: allow users to upload images from an upload window and the system will make predictions for these uploaded images.

Techniques: image preprocessing techniques such as histogram of equalization, converting to grayscale, machine learning classifier (Naive Bayes). and Histogram of Oriented Gradients.(HOG).

2. **Traffic sign recognition** (Computer Vision)

Train Set: dataset of images with 42 folders for 42 types of traffic signs.

Testing method: make predictions for the image frames captured by a live camera

Techniques: image preprocessing techniques such as histogram of equalization, converting to grayscale, Convolutional neural network(CNN) , Activation function(softmax), Data Augmentation.

3. **Human Activity Recognition** (time-series data)

Train Set:Train Set: csv data consists of 6 different activities (list the name here) with 7352 samples. Each sample has 560 features.

Testing method: predict the activities from a given csv file.

Techniques: Long Short Term Memory(LSTM), Activation function(linear).

CERTIFICATIONS

2020	IELTS Certificate with score 6.5 issued by IDP

HONORS & AWARDS

2017	Second prize in Vietnam Mathematics competition for university students in analytics group B organized by Vietnam Mathematics Society(VMS).

SKILLS

Language	Outstanding english verbal and written communication skills
PROFESSIONAL SKILLS	- Basic level proficiency with Java, C++ and OOP programming, Algorithm, Data Structure - Intermediate level proficiency with Analytics, Algebra, Statistics - Solid understanding of classical Machine Learning techniques (SVM, Softmax, PCA, Decision tree ...) - Good knowledge of Deep Learning models for Computer Vision (CNN, LSTM) - Abilities to work with some computer vision libraries including tensorflow, opencv, keras - Strong analytical skills and thinking - Strong Teamwork and communication skills

INTERESTS

Football, movies, hanging out with friends

ADDITIONAL INFORMATION

Personalities: easy-going, fun, creative, honest, confident, and hardworking