Binh Do

📞 (+84) 374611215   ✉ binhtd.hust@gmail.com   🖥 peace195.github.io

🐙 github.com/peace195

Publications

Binh Do, Vladimir Golkov, Goktug Gurel, and Daniel Cremers, *"Precursor microRNA Identification Using Deep Convolutional Neural Networks"*, `https://www.biorxiv.org/content/early/2018/09/16/414656`.

Nhan Nguyen, **Binh Do**, Hoang Nguyen, Hai Vu, Hai Tran, Lan Le, *"Score-Based Fusion Schemes for Plant Identification From Multi-organ Images"*, VNU Journal of Science: Computer Science and Communication Engineering.

Binh Do, *"Aspect-Based Sentiment Analysis Using Bitmask Bidirectional Long Short Term Memory Networks"*, 31st International Conference of the Florida Artificial Intelligence Research Society, AAAI.

Binh Do, Hoang Nguyen, Nhan Nguyen, Hai Vu, Hai Tran, Lan Le, *"Plant Identification Using Score-Based Fusion of Multi-Organ Images"*, 9th International Conference on Knowledge and Systems Engineering, IEEE.

Working Experience

TIKI Corporation   Software Engineer : Mar 2019 - present

- Deploy fake branches detection system based on darknet using Tensorflow serving, Kafka, Kubernetes and Docker. Experiment on Jenkins and Airflow frameworks.

JAVIS CO., LTD.   Data Scientist : Oct 2018 - present

- NLP projects: Developed a system to extract booking information from customer requests based on `transformer`, `BERT` and `C2AE`. Cluster customer requests using Deep Learning. Generated sentence from keywords using `seq2seq`.
- CV projects: Inpainting images, which are covered by fence, using `GAN`, `autoencoder (U-Net)`.

Technical University of Munich, Germany   Intern : Apr 2018 - Oct 2018

- Improved prediction accuracy of protein secondary structure by **multi-task learning** (secondary structure, b-values, solvent-accessibility) code.
- Achieved **state-of-the-art** results in precursor miRNA identification. Experiment on miRNA target prediction.

WorldQuant LLC   Research Consultant : Jul 2017 - present

- Developed statistical arbitrage & trading models based on financial datasets using technical indicators, fundamental analysis, stochastic processes, and statistical learning.

VC Corporation   Machine Learning Engineer : Aug 2016 - Sep 2017

- Obtained **significant improvements** in sentence & aspect based sentiment analysis using Deep Learning.
- Experiment using `LTSM`, `bi-LSTM`, `GRU`, `GloVe`, `Word2vec` `Sentiment2vec` embeddings.

International Research Institute MICA   Research Assistant : Jun 2016 - Jan 2018

- **Improved** the plant identification accuracy by late fusion of multiple organs based on Deep Learning and SVM.
- Experiment using `AlexNet, GoogleNet, ResNet, DenseNet` for each single organ using tensorflow.

Honor and Awards

ERASMUS+ scholarship for studying at the Technical University of Munich, Germany.	2018
Achieved **Gold Level 1** status (top 1%) in WorldQuant Challenge - 2017 Spring Alphathon.	2017
Third prize at Vietnam National **Mathematical Olympiad** contest for high school students.	2012

Education

ERASMUS+ KA1	**Technical University of Munich, Germany**	Apr 2018 - Oct 2018
B.Sc. Computer Science	**Hanoi University of Science and Technology, Vietnam**	Aug 2013 - Jan 2019