

Binh Do

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I loved what I did

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 architecture and deployment : Mar 2019 - May 2019

- Deploy fake branches detection system based on darknet using Tensorflow serving, Kafka, EC2 Kubernetes and Docker. This service is part of Tiki's central AI platform which helps validate millions of products from sellers. Experiment using Jenkins and Airflow frameworks.

JAVIS CO., LTD.

Machine learning : Oct 2018 - present

- Developed a system to extract booking information from customer requests by combining `transformer` and `C2AE`.
- Cluster customer requests using CNN and DBSCAN. Focus on noises detection.
- Generated meaning sentences from keywords using `seq2seq` model.
- Detect fence from images. Then inpaint them using GAN, autoencoder (`U-Net`) .
- Time series outlier detection for cutting machines.

WorldQuant LLC

Finance : Jul 2017 - present

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

Technical University of Munich, Germany

Bioinformatics : 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.

VC Corporation

Nature language processing : Aug 2016 - Sep 2017

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

International Research Institute MICA

Computer vision : 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.

Education

B.Sc. Computer Science	Technical University of Munich, Germany	Apr 2018 - Oct 2018
B.Sc. Computer Science	Hanoi University of Science and Technology, Vietnam	Aug 2013 - Jan 2019
ERASMUS+ scholarship for studying at the Technical University of Munich, Germany.		2018
Third prize at Vietnam National Mathematical Olympiad contest for high school students.		2012