

Do Thanh Binh

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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

Working Experience

Data Scientist	JAVIS CO., LTD.	Oct 2018 - present
<ul style="list-style-type: none">Made a BOT to extract accommodation information automatically based on <code>transformer</code>, BERT and C2AE architecture.Developed a BOT to generate sentence from keywords based on <code>LSTM</code> and <code>seq2seq</code>.Research about Deep Learning for clustering to cluster customer's requests.		
Intern	Technical University of Munich, Germany	Apr 2018 - Oct 2018
<ul style="list-style-type: none">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. Experimented on miRNA target prediction.		
Research Consultant	WorldQuant LLC	Jul 2017 - present
<ul style="list-style-type: none">Developed statistical arbitrage & trading models based on financial datasets using technical indicators, fundamental analysis, stochastic processes, and statistical learning.		
Machine Learning Developer	VC Corporation	Aug 2016 - Sep 2017
<ul style="list-style-type: none">Obtained significant improvements in sentence & aspect based sentiment analysis using Deep Learning.Experimented in <code>LSTM</code>, <code>bidirectional LSTM</code>, <code>GRU</code>, <code>GloVe</code>, <code>Word2vec</code> <code>Sentiment2vec</code> embeddings.		
Research Assistant	International Research Institute MICA	Jun 2016 - Jan 2018
<ul style="list-style-type: none">Improved the plant identification accuracy by late fusion of multiple organs based on Deep Learning and SVM.Experimented in <code>AlexNet</code>, <code>GoogleNet</code>, <code>ResNet</code>, <code>DenseNet</code> for each single organ using tensorflow.		

Other Activities

Present at the International Day 2018, TUM, Germany - Team Vietnam.	May, Jun 2018
Software Engineering intern at Eastgate Software Co., Ltd.	Aug 2016 - Jan 2017
Network Security Engineering intern at Bkav Corp.	Nov 2014 - Feb 2015

Publications

Binh Do, Vladimir Golkov, Goktug Gurel, and Daniel Cremers, "Precursor microRNA Identification Using Deep Convolutional Neural Networks", 2018, <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, 2018, **accepted**

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, 2018, pages 259 - 264.

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, 2017, pages 191 - 196.

Honor and Awards

Vietnam National Foundation for Science and Technology Development travel Grant Award for FLAIRS, USA.	2018
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
Odon Vallet scholarships for excellent national students .	2012
Third prize at Vietnam National Mathematical Olympiad contest for high school students.	2012

References

Assoc. Prof. **Thi-Lan Le**, Head of Computer Vision department, MICA, HUST, Thi-Lan.Le@mica.edu.vn.

Vladimir Golkov, PhD Student, Technische Universität München, golkov@in.tum.de.