

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

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.		
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.		

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
HUST encouraging study scholarships.	2014, 2015, 2016
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.