

Do Thanh Binh

☎ (+84) 374611215

✉ binhtd.hust@gmail.com

📧 peace195.github.io

📠 magic10995

in linkedin.com/in/binhtd

🐙 github.com/peace195

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">• Extracted accommodation information from customer requests based on <code>transformer</code>, BERT and C2AE architecture.• Developed a system to generate sentence from keywords using LSTM and <code>seq2seq</code>.• Researching about 'Deep Learning for clustering' to cluster customer 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 LSTM, <code>bidirectional LSTM</code>, GRU, GloVe, Word2vec Sentiment2vec 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 AlexNet, GoogleNet, ResNet, DenseNet 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.