Do Thanh Binh

+4915213342694   binhtd.hust@gmail.com   peace195.github.io

magic10995   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 - present

Working Experience

Intern	**Technical University of Munich, Germany**	Apr 2018 - present

- Improved prediction accuracy of protein secondary structure by **multi-task learning** (secondary structure, b-values, solvent-accessibility) <u>code</u>. Wrote a paper for **microRNA identification** results <u>code</u>
- Researching and improving the **microRNA target prediction** task.

Research Consultant	**WorldQuant LLC**	Jul 2017 - present

- 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

- Obtained **significant improvements** in sentence & aspect based sentiment analysis using Deep Learning.

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

- **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
Owning a small phone accessories shop. Managing, optimizing the marketing and sales.	Oct 2016 - present
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