

Do Thanh Binh

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Education

B.Sc. Informatics	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
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- Improved prediction accuracy of protein secondary structure by **multi-task learning** (secondary structure, b-values, solvent-accessibility) [code](#). Wrote a paper for **microRNA identification** results [code](#)
- Researching and improving the **microRNA target prediction** task.

Research Consultant	WorldQuant LLC	Jul 2017 - present
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- 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
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- Obtained **significant improvements** in sentence & aspect based sentiment analysis using Deep Learning.

Research Assistant	International Research Institute MICA	Jun 2016 - Jan 2018
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- 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
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Owning a small phone accessories shop. Managing, optimizing the marketing and sales.	Oct 2016 - present
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Software Engineering intern at Eastgate Software Co., Ltd.	Aug 2016 - Jan 2017
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Network Security Engineering intern at Bkav Corp.	Nov 2014 - Feb 2015
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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
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ERASMUS scholarship for studying at the Technical University of Munich, Germany.	2018
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Achieved Gold Level 1 status (top 1%) in WorldQuant Challenge - 2017 Spring Alathon.	2017
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HUST encouraging study scholarships.	2014, 2015, 2016
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Odon Vallet scholarships for excellent national students .	2012
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Third prize at Vietnam National Mathematical Olympiad contest for high school students.	2012
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