

Do Thanh Binh

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Education

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| 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

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| 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.

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| 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.

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| 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.

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| 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

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| 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/2018/09/11/414656>.

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

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| 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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