# 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 | **TUM Computer Vision Group, Germany** | Apr 2018 - present |

- Applied and improved the accuracy of **Deep Learning** on some molecular biology tasks such as: protein secondary strcuture, b-values, protein solvent accessibility, microRNA.

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

- Developed statistical arbitrage & trading models based on financial datasets. Experimented in technical indicators, fundamental analysis, stochastic processes, statistical learning.

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| Machine Learning Developer | **VC Corporation** | Aug 2016 - Sep 2017 |

- Experimented in **Deep Learning** using **tensorflow** for **opinion mining** and **recommendation systems**.
- Obtained **significant improvements** in sentence & aspect based sentiment analysis.

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

- Experimented in **Deep Learning** for each single plant organ identification.
- **Improved** the plant identification accuracy by late fusion of multiple organs.

## Other Activities

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| Present at the International Day 2018, TUM, Germany - Team Vietnam. | May 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

1. 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.

2. **Binh Do**, "Aspect-Based Sentiment Analysis Using Bitmask Bidirectional Long Short Term Memory Networks", The 31st International Conference of the Florida Artificial Intelligence Research Society, AAAI, 2018, pages 259 - 264.

3. **Binh Do**, Hoang Nguyen, Nhan Nguyen, Hai Vu, Hai Tran, Lan Le, "Plant Identification Using Score-Based Fusion of Multi-Organ Images", The 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 |
| **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*.