

# Do Thanh Binh

+4915213342694

binhtd.hust@gmail.com

peace195.github.io

magic10995

linkedin.com/in/binhtd

github.com/peace195

## 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	TUM Computer Vision Group, Germany	Apr 2018 - present
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- Applied and improved the accuracy of **Deep Learning** on some molecular biology tasks such as: protein secondary structure, b-values, protein solvent accessibility, microRNA.

Research Consultant	WorldQuant LLC	Jul 2017 - present
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- Developed statistical arbitrage & trading models based on financial datasets. Experimented in technical indicators, fundamental analysis, stochastic processes, statistical learning.

Machine Learning Developer	VC Corporation	Aug 2016 - Sep 2017
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- Experimented in **Deep Learning** using **tensorflow** for **opinion mining** and **recommendation systems**.
- Obtained **significant improvements** in sentence & aspect based sentiment analysis.

Research Assistant	International Research Institute MICA	Jun 2016 - Jan 2018
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- Experimented in **Deep Learning** for each single plant organ identification.
- Improved** the plant identification accuracy by late fusion of multiple organs.

## Other Activities

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

- 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.
- 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 <b>Gold Level 1</b> status (top 1%) in WorldQuant Challenge - 2017 Spring Alphathon.	2017
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HUST encouraging study scholarships.	2014, 2015, 2016
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Odon Vallet scholarships for <b>excellent national students</b> .	2012
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<b>Third prize</b> at Vietnam National <b>Mathematical Olympiad</b> contest for high school students.	2012
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## References

Assoc. Prof. **Thi-Lan Le**, Head of Computer Vision department, MICA, HUST, [Thi-Lan.Le@mica.edu.vn](mailto:Thi-Lan.Le@mica.edu.vn).