

# Do Thanh Binh

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## Education

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Hanoi University of Science and Technology  
*B.Sc. Computer Science*

Aug 2013 - Jun 2018

## Working Experience

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Research Assistant                      **International Research Institute MICA**                      Jun 2016 - present

- Worked on **Plant Identification** problem based on PlantCLEF dataset using **Deep Learning**.
- Experimented in *AlexNet*, *GoogleNet* for each single organ task.
- **Improved** the identification accuracy by late fusion on multiple organs (got **better** 10-20% accuracy than single organ; 1-2% than a lot of baseline fusion such as: sum scores, max scores, product scores).

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

- **Deep Learning** for **opinion mining** problem. Built a **large and clean** Vietnamese sentiment dataset.
- Experimented in *LSTM*, *bidirectional LSTM*, *GRU*, *Word2vec* & *Sentiment2vec embeddings* using **tensorflow**.
- Got **high accuracy** for sentence level & aspect based sentiment analysis. Adapted the high demand of real time queries.

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

- Analysed and built **quantitative models** based on the past financial data.
- Experimented in technical indicators, fundamental analysis, stochastic processes, statistical learning.

## Other Activities

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

Software Engineering intern at Eastgate Software Co., Ltd.                      Aug 2016 - Jan 2017

## Publications

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**Thanh-Binh Do**, Huy-Hoang Nguyen, Thi-Thanh-Nhan Nguyen, Hai Vu, Thi-Thanh-Hai Tran, Thi-Lan Le, "Plant Identification using late fusion of multi-organ images", In Proceedings of international conference on Knowledge and Systems Engineering (KSE), IEEE, 2017.

## Honor and Awards

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Achieved **Gold Level 1** status in WorldQuant Challenge - 2017 Spring Alphathon.                      2017

HUST encouraging study scholarships.                      2014, 2015, 2016

Odon Vallet scholarships for national **excellent students**.                      2012

**Third prize** at Vietnam National **Mathematical Olympiad** contest for high school.                      2012

## References

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**Dr. Hai Vu**, International Research Institute MICA, HUST, *hai.vu@mica.hust.edu.vn*.