

# Do Thanh Binh

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## Education

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**Hanoi University of Science and Technology**

*B.Sc., Computer Science*

**Ha Noi**

*Aug 2013 - Jun 2018*

## Working Experience

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**Computer Vision laboratory**

**MICA HUST**

*Research Assistant*

*Jun 2016 - present (on-going)*

- Worked on **Plant Identification** problem; used *AlexNet*, *GoogleNet* for each single organ task based on PlantCLEF dataset.
- **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).

**VCCorp corporation**

**Ha Noi**

*Part-time Machine Learning Researcher*

*Aug 2016 - present (on-going)*

- Researched about **opinion mining** problems. Built a **large and clean** Vietnamese sentiment dataset.
- Experimented in *LSTM*, *bidirectional LSTM*, *GRU*, *Word2vec* & *Sentiment2vec* embeddings.
- Got 75% for Aspect & Entity-Based Sentiment Analysis; 70% accuracy for the sentence level. Adapted the high demand of real time queries.

**WorldQuant company**

**Ha Noi**

*Research Consultant*

*Jun 2017 - present (on-going)*

- Analysed and built **quantitative models** based on the past financial data in order to predict the future price of stocks.
- Experimented in technical indicators, fundamental analysis, stochastic processes, statistical learning, data mining.

## Qualifications

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**Vietnamese, English:** Proficiency in work.

*TOIEC 770/990*

**Major Languages:** Python, R, Matlab, C/C++, Java.

**Libraries & Tools:** TensorFlow, Theano, Scikit-learn, Caffe, Amazon services.

**Database & OS:** MySQL, SQL server, Windows, Linux.

## Honor and Awards

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Achieved gold medal and was in the **top 1%** in WorldQuant Challenge 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*

## Publications

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## Other Activities

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## References

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**Dr. Hai Vu**

- Lecturer, International Research Institute MICA, HUST, Ha Noi, Viet Nam
- Website: <http://www.mica.edu.vn/perso/Vu-Hai/>
- Email: [hai.vu@mica.hust.edu.vn](mailto:hai.vu@mica.hust.edu.vn)