

Do Thanh Binh

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Education

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

Aug 2013 - Jun 2018

Working Experience

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

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

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

Honor and Awards

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

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