

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 using **Deep Learning**.
- Experimented in *AlexNet*, *GoogleNet* for each single organ using **tensorflow**.
- **Improved** the identification accuracy by late fusion of multiple organs.

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

- **Deep Learning** for **opinion mining** problem. Built a **vast and clean** Vietnamese sentiment lexicon & dataset.
- Experimented in *LSTM*, *bidirectional LSTM*, *GRU*, *GloVe*, *Word2vec* & *Sentiment2vec embeddings* using **tensorflow**.
- Obtained **signification improvements** in sentence & aspect based sentiment analysis.

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

- Developed Statistical Arbitrage models. Extracted sources of alpha and new trading signals, combined these signals into robust long-short trading models, with the objective of achieving high sharpe ratios with high returns and low turnovers.
- 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

Network Security Engineering intern at Bkav Corp. Nov 2014 - Feb 2015

Publications

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 (KSE), IEEE 2017, accepted.

Honor and Awards

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

First prize with the highest score in the Ninh Binh province's annual Math competition for high school students. 2012

References

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