

# Do Thanh Binh

✉ binhtd.hust@gmail.com  
linkedin.com/in/binhtd

📄 peace195.github.io  
github.com/peace195

## 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.
- **Improved** the identification accuracy by late fusion of 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 lexicon & dataset.
- Experimented in *LSTM*, *bidirectional LSTM*, *GRU*, *GloVe*, *Word2vec* & *Sentiment2vec embeddings* using **tensorflow**.
- Got **high accuracy** in sentence level & aspect based sentiment analysis. Adapted the strong demand of real time queries.

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

**Thanh Binh Do**, Huy Hoang Nguyen, Thanh Nhan Nguyen, Hai Vu, 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 (top 1%) 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*.