

# 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 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.

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

- Worked on **Plant Identification** problem using **Deep Learning**.
- Experimented in *AlexNet*, *GoogleNet*, *ResNet*, *DenseNet* for each single organ using **tensorflow**.
- **Improved** the identification accuracy by late fusion of multiple organs.

## 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*.