# Do Thanh Binh

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

peace195.github.io github.com/peace195

# Education

Hanoi University of Science and Technology

Aug 2013 - Jun 2018

B.Sc. Computer Science

# **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 LTSM, 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, 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 <b>Gold Level 1</b> status (top 1%) in WorldQuant Challange - 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.