Do Thanh Binh

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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 **Gold Level 1** 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*.