Do Thanh Binh

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Education

Hanoi University of Science and Technology   Hanoi, Aug 2013 - Jun 2018
B.Sc., Computer Science

Working Experience

Research Assistant   **Computer Vision Lab**   HUST, Jun 2016 - present

- Worked on **Plant Identification** problem; used *AlexNet, GoogleNet* for each single organ task based on PlantCLEF dataset.
- **Improved** the identification accuracy by late fusion on 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**   Hanoi, Aug 2016 - Aug 2017

- Researched about **opinion mining** problem. Built a **large and clean** Vietnamese sentiment dataset.
- Experimented in *LTSM, bidirectional LSTM, GRU, Word2vec, Sentiment2vec embeddings*.
- Got 75% accuracy for aspect & entity-based sentiment analysis; 70% accuracy for the sentence level. Adapted the high demand of real time queries.

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

- Analysed and built **quantitative models** based on the past financial data in order to predict the future price of stocks.
- Experimented in technical indicators, fundamental analysis, stochastic processes, statistical learning, data mining.

Publications

Other Activities

Owning a stable phone accessories shop. Managing, optimizing the marketing and sales.   Oct 2016 - present

Honor and Awards

Achieved gold medal and was in the **top 1%** in WorldQuant Challange 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

Qualifications

Vietnamese, English: Proficiency in work.   **TOIEC 770/990**

Major Languages: Python, R, Matlab, C/C++, Java.

Libraries & Tools: TensorFlow, Theano, Scikit-learn, Caffe, Amazon services.

Database & OS: MySQL, SQL server, Windows, Linux.

References

Dr. Hai Vu, International Research Institute MICA, HUST

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