Do Thanh Binh

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Education

B.Sc. Informatics	**Technical University of Munich, Germany**	Apr 2018 - Oct 2018
B.Sc. Computer Science	**Hanoi University of Science and Technology, Vietnam**	Aug 2013 - present

Working Experience

Intern	**TUM Computer Vision Group, Germany**	Apr 2018 - present

- Hands-on **Deep Learning** for computer vision and **biomedicine**.

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** and **recommendation systems**. Built a **vast and clean** dataset.
- Experimented in *LTSM, 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 - Jan 2018

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

Other Activities

Present at the International Day 2018, TUM, Germany - Team Vietnam.	May 2018
Owning a small 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, "Aspect-Based Sentiment Analysis Using Bitmask Bidirectional Long Short Term Memory Networks", The 31st International Conference of the Florida Artificial Intelligence Research Society, AAAI, 2018, pages 259 - 264.

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, IEEE, 2017, pages 191 - 196.

Honor and Awards

Vietnam National Foundation for Science and Technology Development travel Grant Award for FLAIRS, USA.	2018
ERASMUS scholarship for studying at the Technical University of Munich, Germany.	2018
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

References

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