

PERSONAL INFORMATION

Dang Ha The Hien

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🌐 <https://medium.com/@nikasa1889/latest>

🔄 <https://github.com/Nikasa1889/>

Gender Male | Date of birth 3 November 1989 | Nationality Vietnamese

JOB APPLIED FOR Deep Learning and Reinforcement Learning Summer School

WORK EXPERIENCE

2014 – Now Data Scientist

ESMART SYSTEMS - Smart Grid Solutions Provider

- Building a robust analytics architecture for large-scale time-series forecasting.
- Proposed "Graph of Virtual Actors" for IoT applications
- Developed real-time streaming face recognition based on DeepFace and ffmpeg
- Developed object recognition solution for automatic power line inspection using Drone
- Developed general-purpose web-based image tagging service to collect AI training data

2012 – 2013 Part-time Work

Fintech Startup about Structured Product, Switzerland

Built pricing models for structured financial products using both analytical and simulation-based approaches

EDUCATION

Now FastAI International Fellowship

fast.ai

2014–Now PhD in Informatics

Thesis: 'Big Data Analytics for the Future Energy System'

Industrial PhD

University of Oslo, Norway

2012–2014 Master in Applied Computer Science

Thesis: 'Improving Deep Learning through Automatic Programming'

QS Scholarship

Østfold University College, Norway

2012–2014 Bachelor in Computer Science and Engineering

Thesis: 'Building a Wireless Sensor Network and management system based on TinyOS and Zigbee/IEEE 802.15.4'

Honors Program

VietNam National University - Ho Chi Minh City University of Technology

LECTURING EXPERIENCE

Autumn 2015 / 2017 Founder of the 15-credit BIG DATA ANALYTICS course at Østfold University College

April 2015 / 2017 Lecturer of the INTENSIVE BIG DATA ANALYTICS course for Norwegian Center of Expertise

Spring 2015 Guest Lecturer for MACHINE LEARNING master course at Østfold University College

ACHIEVEMENTS

- 2017 [AI Grant](#) Finalist
- 2012 [Scholarship](#) from DataLogic Company
- 2011 [POSCO Asia Fellowship](#) for outstanding Asian students with excellent English skills
- 2006 3rd prize at the national competition on “Solving mathematical problems on Casio calculator”
- 2005 1st prize at Physics and 3rd prize at Mathematics at regional high school competition, and best student award at graduation exam for secondary high school. The first in the history to receive 3 prizes at the same time.

PERSONAL SKILLS

Mother tongue Vietnamese

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	B2	C1	C2
Norwegian	A2	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
[Common European Framework of Reference \(CEF\) level](#)

Programming / Engineering skills – Basic: SQL, ffmpeg, Nodejs, Angularjs, InfluxDb, Hadoop, Spark
 – Intermediate: Swagger/OpenAPI, Flask, Kubernetes, Kafka, Java, R, Linux Shell
 – Advanced: Docker, Vim, Git, R, Python

Other skills – Speed Typing: 100-110 WPM
 – Amateur Runner: Finished a Half-Marathon in 2017. Check my Strava profile [here](#)

PUBLICATIONS

- 2017 [\[Medium\]](#) The-Hien Dang-Ha, “*A guide to receptive field arithmetic for Convolutional Neural Networks*”
- 2017 [\[Medium\]](#) The-Hien Dang-Ha, “*The Modern History of Object Recognition – Infographic*”
- 2017 [\[arXiv\]](#) The-Hien Dang-Ha, Filippo Maria Bianchi and Roland Olsson. “*Local Short Term Electricity Load Forecasting: Automatic Approaches*”, 30th International Joint Conference on Neural Networks (IJCNN). IEEE
- 2016 [\[arXiv\]](#) The-Hien Dang-Ha, Davide Roverso and Roland Olsson. “*Graph of Virtual Actors (GOVA): a Big Data Analytics Architecture for IoT*”, IEEE International Conference on Big Data and Smart Computing (BigComp). IEEE
- 2016 [\[arXiv\]](#) The-Hien Dang-Ha, Roland Olsson and Hao Wang. “*Clustering Methods for Electricity Consumers: An Empirical Study in Hvaler-Norway.*”, Norsk Informatikkonferanse (NIK)
- 2015 [\[arXiv\]](#) Beathe Due, Monica Kristiansen, Ricardo Colomo-Palacios and The-Hien Dang-Ha. “*Introducing big data topics: a multicourse experience report from Norway*”, International Conference on Technological Ecosystems for Enhancing Multiculturality. ACM
- 2015 [\[arXiv\]](#) The-Hien Dang-Ha, Roland Olsson, and Hao Wang. “*The Role of Big Data on Smart Grid Transition*”, IEEE International Conference on SmartCity. IEEE

- 2013 [\[arXiv\]](#) Kristoffersen Steinar, The-Hien Dang-Ha, and Thien-Phuc Nguyen. “*Paperstack—A novel lean-interactive system for documentation sharing in maritime industries*”, IEEE International Conference on Collaboration Technologies and Systems (CTS). IEEE
- 2012 [\[arXiv\]](#) Anh-Vu Dinh-Duc, The-Hien Dang-Ha, and Ngoc-An Lam. “*Nviz—a general purpose visualization tool for Wireless Sensor Networks*”, 9th IEEE International Conference on Electrical Engineering (ECTI-CON). IEEE