

Quan Nguyen

Data Scientist - Top Data Science Ltd

Singapore

- Email me on Indeed: <http://www.indeed.com/r/Quan-Nguyen/62278180faa53a07>

Work Experience

Data Scientist

Top Data Science Ltd - Helsinki, FI

March 2017 to Present

Helsinki, Finland

- * Built a Deep Learning model of Human Pose Estimation to detect human body parts from a captured image or video. The model was trained on over 200,000 labelled images and achieved a mAP of 80% on the test set.
- * Developed a Deep Learning model using 3DConvNet for action classification for videos. The model was trained on 1,000 collected videos and reached 86% top-1 accuracy on the test set.
- * Built a Deep Learning model using U-Net to segment fat tissue on medical images. The model was pretrained on BraTS dataset to segment full tumour region and fine-tuned on client collected data, achieving a dice coefficient of 91.5% on the test set.
- * Designed a model using ElasticNet on over 1 million data points to predict the viscosity and brightness of paper pulp and integrated it into a web application for an International Pulp and Paper Company.
- * Developed a machine learning solution using Random Forest and Lasso algorithms to predict future organ severity for patients in Intensive Care Units, helping doctors to give better decisions of whether patients can be released from the ICU with 95% accuracy.
- * Designed and implemented a machine learning web application using R Shiny and Python Django to predict, simulate and optimize detergent's effectiveness on stains removal for a R&D laboratory of 50 people of a Global Leading Biotechnology Company.
- * Used Tesseract and Python Flask to build an API for a Building Information Company that extracted text from images of over 13,000 documents and indexed into Elasticsearch, making them searchable to customers.

Business Analyst

Centralized Procurement Center - Hanoi, VN

July 2012 to June 2015

Hanoi, Vietnam

- * Built a web application to store data of all the procurement packages of the bank, which was used by over 20 staffs of the center.
- * Analysed data, created dashboards and delivered reports weekly, monthly and annually to the director of the center as well as heads of other related departments.
- * Granted the employee of the month of the division in March 2015 with outstanding performance.
- * Got a prize for innovation of enhancing work effectiveness by managing personal data wisely using Microsoft Excel and Outlook in February 2014.

Education

Master in Information and Service Management

Aalto University - Helsinki, FI

August 2015 to July 2019

High school diploma in Mathematics, Statistics, Econometrics

Foreign Trade University - Hanoi, VN

October 2005 to July 2008

Mathematics and Informatics

Luong Van Tuy Gifted High School

Skills

DEEP LEARNING (2 years), DJANGO (2 years), ELASTICSEARCH (2 years), MACHINE LEARNING (2 years), PYTHON (2 years)

Links

<http://linkedin.com/in/quan-nguyen-minh-227421116>

Additional Information

SKILLS

Technical skills * Data Mining and Machine Learning: deep learning, predictive modelling, classification, regression,

clustering, time series analysis, dimensionality reduction, outlier detection, etc.

- Python (pytorch, keras, tensorflow, numpy, scipy, matplotlib, pandas, scikit-learn, jupyter notebook, seaborn, opencv, etc.)

- R (dplyr, tidyr, ggplot2, plotly, R shiny, etc.)

- SQL, SPSS, SAS

* Back-end and front-end software development

- Python Flask and Django

- JavaScript, HTML, CSS

* Latex, Git, Unix/Linux environments, AWS, Microsoft Azure, ElasticSearch, Docker

Soft skills * Great work management and planning skill

* Ability to work accurately and efficiently under intense time pressure

* Ability to quickly learn, understand and apply new technologies

* Responsible, careful, open-minded and flexible