Anh Pham

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Languages and Skills

Vietnamese, English.

Fundamentals: self learning, data structures and algorithms, machine learning, object oriented programming, design patterns, multiprocessing.
Programming languages: python, java.
DS/ML toolkits: pytorch, tensorflow, keras, opencv, sklearn, numpy, pandas, jupyter lab/notebook, matplotlib...
ML skills: reading research papers, EDA, preprocessing, image segmentation, image classification, NLP, training with GPUs, hyperparameters tuning.
Others: mysql, linux, amazon ec2, google cloud platform, git, github, docker.

Education

University of Information Technology, HCM-VNU
B.Sc., Computer Science, 2014-2018.

Certificates

Deep Learning Specialization
deeplearning.ai, Andrew Ng., 5 courses.

Achievements

TGS Salt Identification Challenge — **Kaggle** *Sep 2018 - Oct 2018*
Skills: pytorch, gcp, image segmentation, UNet, SE nets, k-fold ensembling
Details: I trained UNet models to segment salt body from seismic data.
I used GCP instance with Tesla P100 and Tesla K80 GPUs to train my models.
Results: Top 7% - #195/3234 - Bronze badge.

Projects

Vietnamese Sentiment Analysis *June 2018 - June 2018*
Skills: tensorflow, nlp, lstm, attention mechanism, data crawling and processing
Details: I used FastText pretrained word embedding to embed Vietnamese words.
I built and train dynamic deep bidirectional LSTM with attention mechanism model to classify text.

Realtime Hand-Gestures Recognition *June 2018 - June 2018*
Skills: tensorflow, cnn, object detection, ssd, mobilenetv2, aws ec2, transfer learning
Details: I fine-tuned Tiny SSD model to localize hands, apply transfer learning to build Siamese network based on MobileNetv2 to embed hands into 128-d vectors.
Models are trained with Tesla K80 from AWS EC2.

Simple Facial Landmark Detection *Dec 2017 - Jan 2018*
Skills: keras, cnn, build and train models
Details: I trained a multitask CNN model to detect facial landmarks & expressions.

Simple Autonomous Car in 2D Simulation *June 2017 - July 2017*
Skills: java, mlp, deeplearning4j, libgdx
Details: I used deeplearning4j to build MLP models for wheel angle and accelerator then I trained them from my driving data.

Handwritten digit recognition *Dec 2016 - Dec 2016*
Skills: java, cnn, deeplearning4j

Starcraft: Brood War Bot *May 2016 - July 2016*
Skills: c++, bwapi