

PHAM VAN KHANH

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EXPERIENCE

Jun 2021 – Oct 2021 HCMC, VietNam
TPP Technology

Data Analyst

Reviews sentiment analysis

- Build Aspect Based Sentiment Analysis model for companies reviews for investigation decision
- Write SQL script for preparing data for charts using BigQuery,
- Check data quality, visualize data from ETL process
- Technology: Aspect Based Sentiment Analysis

Jul 2019 – Jun 2021 HCMC, VietNam
DIGI-TEXX

Machine Learning Engineer

Information extraction for medical documents

- Extract information from medical document using Graph Neural networks
- Classify disease diagnosis into more than 12000 classes using semantic text similarity
- Technology: Roberta, SentenceBert, Byte Pair Encoding, Graph Neural Networks, sequence to sequence model

Information extraction for hotel invoices

- Extract information from hotel invoices from more than 50 countries and thousands of templates with different languages
- Classify hotel service descriptions into 34 classes
- Technology: XLM-Roberta, Graph Neural Networks
- Archiverments: 30% faster data entry process speed

Facial Recognition System

- Build facial recognition system for welcoming guests, access control and timekeeping
- Technology: Face recognition

Sep 2018 – June 2019 HCMC, VietNam
AtmarkCafe VietNam

Machine Learning Engineer

Sushi project

- Score Sushi dishes based on layout, position of objects, rules proposed by customer.
- Fine tuning model, label data, process data, post-process model output
- Build APIs, website for UAT
- Technology: MaskRCNN, Flask

Add accent to non-accent Vietnamese

- Research and demo use sequence to sequence model to add accent to non-accent Vietnamese
- Technology: MaskRCNN, Flask

SKILLS

- **Machine Learning:** Neural network, CNN, RNN, Graph Neural networks, Clustering, Regression, Decision tree, Randomforest, Naivebayes, SVM
- **Natural language processing:** Text pre-processing, text augmentation, Named Entity Recognition, text classification, spelling correction, Translation models, Transformer
- **Computer Vision:** Object detection, Image classification, Object segmentation, Vision Transformer.
- **Data Visualization:** Seaborn, Matplotlib, Pyplot.
- **Programming Language:** Python
- **Database:** Bigquery, MongoDB, PostgreSQL
- **Tools:** Git, RabbitMQ
- **Operation System:** Linux, MacOS
- **Problem solving**

EXTRAS

Read Machine Learning blogs

- Following state of the art models, papers illustrating, technical explain, trending research
- Resource: Paperwithcode, towarddata-science, social networks

EDUCATION

2014 – 2019

Information Security

POST AND TELECOMMUNITY INSTITUTE OF TECHNOLOGY

HOBBIES

- Travel
- Read book
- Sports: Swimming, jogging