DUY DO

Artificial Intelligence Engineer - AI Project Manager

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PROFESSIONAL SUMMARY

I have 4.5 years of experience in data science. I especially love new technologies that help solve real problems in the world. Solid experience in Machine Learning, DeepLearning, and SAT. Research experience in various computer science fields. Highly logical thinking and good problem-solving skills. Personality: being hard-working, enthusiasm, carefulness, and a big will to learn. I am always looking to be more, do more, and make a difference in a big way, always dream about making the world a better place.

SKILLS

- Data Analysis
- Computer Vision, OCR
- Natural Language Processing

- Deep Learning Framework: Tensorflow, Keras
- Machine Learning Library: scikit-learn
- Program Language: python

WORK HISTORY

AI Leader, 12/2018 to Current
Heligate – Me Tri, Ha Noi
- Design solutions and develop AI projects focus on OCR for both handwriting and machine-printed in English and Japanese.
- Pre-sales support: write proposals and estimations for customers' needs.
- Design and operate process for AI projects.

AI Project Manager, 09/2019 to 05/2020
Heligate – Me Tri, Ha Noi
- Manage an AI team of 5 members.
- Research new opportunities in healthcare and others.

Machine Learning Engineer, 06/2016 to 08/2018
FPT Software – Cau Giay, Ha Noi
- Researched new techniques in AI to create PoCs to demonstrate the capabilities of FTP Software to customers.
- Developed FSoft's AI projects as an Engineer for computer vision problems.
- Developed training AI fundamental courses.

Researcher's Assistant, 01/2015 to 05/2016
University of Engineering and Technology VNUH – Cau Giay, Ha Noi
- Researched and created new algorithms using SAT to solve the Hitori logic problem.
- Collected data, developed programs that demonstrate the effectiveness of new algorithms.
- Participated the conference: Students with Scientific Research - University of Engineering and Technology VNUH 2016

PROJECTS

- **Information Extraction**

I designed and developed an Engine could extract information in scanned documents from predefined categories.
Technical stack: Graph Classification, Machine Learning, Deep Learning

- **Symbol Detection**

I managed a team to develop a module could detect handwriting symbol in scanned documents. We had to deal with the lack of diverse data, so we have used many different methods to generate more data.
Technical stack: Object Detection, Generative Adversarial Networks

- **Orientation Detection and Style of Word Classification**

I designed and developed 2 modules, one could detect orientation of scanned documents, one could classify Style of cropped text images (machine printed, handwriting,...). We had to solve the data imbalance problem.
Technical stack: Image Classification

- **Japanese OCR Engine**

I managed a team to develop an OCR Engine that could recognize both Japanese handwriting and machine printed text.
Technical stack: Object Detection, Text Correction, Tesseract

- **English OCR Engine**

I designed and developed an OCR Engine that could recognize both English handwriting and machine printed text.
Technical stack: CRNN, Text Correction, Tesseract

- **Diseases Detection from Chest X-ray data**

This is a personal project. I created the proposal, using a very new Kaggle dataset to implement this project. The project focuses on using techniques in deep learning to analyze X-ray image data and some of the patient's personal information to predict the disease.
The project uses Keras framework and main techniques used and compared are CNN and CapsNet, more details see on my Github page.

- **Facial Recognition**

Building facial recognition systems for FPT Software, my work is to research the latest facial recognition technology, consulting and implementing.
Using facial recognition technology to support and implement some projects with customers of FSoft units.

- **Future Marketing**

This is FSoft's internal project, building an Intelligent Marketing System using AI such as Customer segmentation, Social listening and so on.
Project management and implementation of AI cores section.

EDUCATION

- Machine Learning Engineer Nanodegree, 2017 to 2018
  Udacity

- Information Technology, 2012 to 2016
  University of Engineering and Technology VNU - Cau Giay, Ha Noi

CERTIFICATIONS

- Deep Learning Specialization - DeepLearning.ai, Coursera
- Machine Learning Engineer Nanodegree - Udacity
- Machine Learning - Stanford University, Coursera
- Introduction to Neurohacking In R - Johns Hopkins University, Coursera
- Recommender Systems Specialization - University of Minnesota, Coursera
- Data Engineering on Google Cloud Platform Specialization - Google, Coursera
- Implementing RPA with Cognitive Automation and Analytics Specialization - Automation Anywhere, Coursera