Nguyen Thanh Nhan

B.Sc in Electrical and Electronics Engineering

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Profile

Decent knowledge in the area of image processing, machine learning and deep learning. Experience in OOP and apply the algorithms to solve the problem. The ability to work and research independently.

Work experience

Swiss Post Solutions Vietnam / AI engineer internship 4/2018 – 7/2018 Swiss Post Solutions Vietnam Ltd. (SPS) is an integral part of Swiss Post Solutions, develops document processing services such as image processing, web research and IT services.

Highlighted works

- Implement image processing algorithm with OpenCV library.
- Work with multithreading and design pattern.
- Design a simple RESTful API with Python and Flask.
- Implement VGG16 network with TensorFlow.

Technologies

- Language: Python.
- Library: OpenCV, Scikit-learn, TensorFlow.
- Technique: Machine learning, Deep learning, image processing.
- Version control tool: Mercurial, Git.

Skills

Technical skills

- Programming languages: Python, C.
- Libraries: OpenCV, Scikit-learn, TensorFlow.
- Version control tool: Mercurial, Git.

Language

- Vietnamese
- English (TOEIC 630)

Education

■ Ho Chi Minh City University of Technology B.Sc in Electrical and Electronics Engineering (2014 – 2018)

Knowledge:

- Fundamental knowledge about calculus, algebra, statistics and probability.
- C programming language.
- Image processing and Artificial Intelligence algorithms.

Thesis: "Handwritten Vietnamese character recognition"

- Collect dataset from the images of 29 handwritten Vietnamese characters.
- Implement a Convolutional Neural Network with TensorFlow to classify handwritten Vietnamese characters.
- Get recognition rate 93%

References

■ Le Phuc Truong

AI Engineer

Swiss Post Solutions Vietnam Ltd. – Hochiminh City Saigon ICT Tower, Quang Trung Software City, Hochiminh City, Vietnam

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