Lin Hua (林华)

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I am currently a postgraduate student of computer science at National Laboratory of Pattern Recognition, Institute of Automation,Chinese Academy of Sciences, advised by Prof.Chunhong Pan.Previously, I received my B.S degree in Automation from Central South University. I aim at contributing to build up knowledge and improve the development of artificial intelligence technology in the world. We are living at the right time when the evolution of artificial intelligence technology accelerates, and I believe this will improve people's living standards.

Skills

Languages: Python, C++, LaTeX, Bash, Matlab

Libraries: TensorFlow, NumPy, Keras,

Technologies: Linux, Git, Vim

Education

University of Chinese Academy of Sciences (BeiJing,China) September 2017 - Present
Computer Science:Computer Vision M.S.

Central South University (ChangSha,China) September 2013 - June 2017
Automation:Pattern Recognition B.S.

Experience

Postgraduate September 2017 - Present
Institute of Automation,Chinese Academy of Sciences - National Laboratory of Pattern Recognition
Perform graduate research in algorithms for Machine Learning(especially Deep Learning) and it's application to Computer Vision and Natural Language Processing.

Projects

Everyone Is Van Gogh (link) (*A TensorFlow implementation of style artistic transfer*)

Everyone_Is_Van_Gogh is a tensorflow implementation of style transfer which described in the next paper:A Neural Algorithm of Artistic Style And I use VGG19 which was proposed in this paper:Very Deep Convolutional Networks for Large-Scale Image Recognition.

YOLO v1 implementation (link) (*A implementation of YOLO v1 by Keras with TensorFlow backend*)

YOLO_v1 is a simple implementation of YOLO v1 by Keras with Tensorflow backend which described in this paper:You Only Look Once: Unified, Real-Time Object Detection. The project has successfully reproduce the algorithm and apply it to image object detection and video object detection.

ResNet Keras implementation (link) (*A implementation of ResNet by Keras with TensorFlow backend*)

ResNet_Keras is a implementation of ResNet-50 by Keras with Tensorflow backend which described in this paper:Deep Residual Learning for Image Recognition.

Research Interests and Hobbies

I am interested in Artificial Intelligence,Machine Learning and Computer Vision. Particularly, I am focussing on the algorithms for Object Detection now. I am also very interested in Natural Language Processing. My other hobbies include a variety of things such as fitness,basketball and mountaineering.