Lin Hua (林华)

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I am currently a postgraduate student of University of Chinese Academy of Sciences and major in computer science. Meanwhile, I am doing my research in the National Laboratory of Pattern Recognition, Institute of Automation, Chinese Academy of Sciences, advised by Prof.Chunhong Pan. Previously, I was awarded the B.S degree of Engineering from Central South University. I aim at contributing to build up knowledge and promote the development of Artificial Intelligence technology in the world. We are living at the right time when the evolution of AI technology accelerates rapidly, and I believe this will raise 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) (*An 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) (*An implementation of ResNet by Keras with TensorFlow backend*)

ResNet_Keras is an 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 the area of Artificial Intelligence,Machine Learning and Computer Vision. Particularly, I am focusing on the algorithms of Object Detection now. Additional, I am keen on the field of Natural Language Processing. Apart from that, my other hobbies include fitness,basketball and hiking, etc.