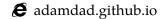
Xingyi Yang

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EDUCATION BACKGROUND

University of California, San Diego(UCSD)

Msc. SIP, Electrical and Computer Engineering, Jacobs School of Engineering

Southeast University

B.Eng. Computer Engineering

GPA: 3.71/4, 88.1/100

University of Ottawa

Visiting Student, Electrical and Computer Engineering

La Jolla, USA

Sept. 2019- Present

Nanjing, China

Sept. 2015-Jun. 2019

Ottawa, Canada

Jun. 2018-Sept. 2018

RESEARCH EXPERIENCE

AI-for-Healthcare Lab, UC San Diego

Research Assistant

Supervisor: Prof. Pengtao Xie

Oct. 2019-Present

- Comparative study between self-supervised pretraining learning and supervised pretraining.
- Consistency preserving multi-view X-rays generation from radiography reports.
- Sample-efficient diagnosis of COVID-19 based on CT.

VIVA Lab, University of Ottawa

Research Assistant

Supervisor: Prof. Robert Laganière

Jun. 2018-Sept. 2018

- Design scale-aware YOLOv3 model to solve the scale variation for pedestrian detection.
- Implement MobileNet-YOLOv3 and conduct comparative study of CNN based detector: SSD, LSTM-decoder and YOlOv3 on face detection.

Image Processing Lab, Southeast University Research Assistant

Supervisor: Prof. Yining Hu

May. 2018-Jun. 2019

- 3D face reconstruction from CT slices using WGAN-GP
- One-stage remote sensing arbitrary-oriented object detection.

PUBLICATIONS

- Rui Zhu, Xingyi Yang, Yannick Hold-Geoffroy, Federico Perazzi, Jonathan Eisenmann, Kalyan Sunkavalli, Manmohan Chandraker. *Scene Scale Estimation from Single Image in the Wild*, 2020, 16th European Conference on Computer Vision(ECCV2020).
- Xiao Xu, Xingyi Yang, Yijun Chen, Yining Hu, Lizhe Xie and Zheng Wang. *Information Redundancy Minimization for Adversarial*, 2019 in Macao, The International Joint Conference on Artificial Intelligence, Artificial Intelligence Business Security Workshop(IJCAIW).

PROFRSSIONAL EXPERIENCE

Kneron, Inc

La Jolla, USA

Deep Learning Intern

Oct. 2019- Jan. 2020

Post-training 8-bit quantization of neural network.

ArcSoft Technology Co., Ltd.

Deep Learning Intern

Nanjing, China Mar. 2019- May.2019

• Single-image super-resolution based on semantic segmentation prior.

Chongqing Yiwoke Science Technology Development Co., Ltd. *Java development intern*

Chongqing, China Jul. 2017- Sept. 2017

• Back-end development of Tianpeng bidding platform.

AWARDS AND CERTIFICATES

- 12th/2519 place(Defence) on IJACI-19 Alibaba Adversarial Vision Challenge
- 3nd place on Alibaba AI Security Program
- 2018 MCM/ICM Meritorious Winner Prize
- China College Students' Entrepreneurship Competition National Silver Award