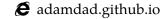
Xingyi Yang

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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.

Rose-ML-Lab, , UC San Diego

Research Intern

Supervisor: Prof. Rose Yu

Jul. 2020-Present

• Neural point process for spatio-temporal event modelling.

Pennsylvania State University

Research Intern

Supervisor: Prof. Fenglong Ma

Jul. 2020-Present

• Retrieval-guided medical report generation.

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).

PREPRINT

- Xingyi Yang*, Xuehai He*, Yuxiao Liang, Yue Yang, Shanghang Zhang, Pengtao Xie. *Transfer Learning or Self-supervised Learning? A Tale of Two Pretraining Paradigms*, 2020, Under Review.
- Xingyi Yang, Nandiraju Gireesh, Eric Xing, Pengtao Xie. XRayGAN: Consistency-preserving Generation of X-ray Images from Radiology Reports, 2020, Under Review.
- Xingyi Yang, Xuehai He, Jinyu Zhao, Yichen Zhang, Shanghang Zhang, Pengtao Xie. COVID-CT-Dataset: A CT Scan Dataset about COVID-19, 2020, Under Review.
- Wenmian Yang, Guangtao Zeng, Bowen Tan, Zeqian Ju, Subrato Chakravorty, Xuehai He, Shu Chen, **Xingyi Yang**, Qingyang Wu, Zhou Yu, Eric Xing, Pengtao Xie. *On the Generation of Medical Dialogues for COVID-19*, 2020, Under Review.
- Xuehai He*, **Xingyi Yang***, Shanghang Zhang*, Jinyu Zhao, Eric Xing and Pengtao Xie. *Sample-Efficient Deep Learning for COVID-19 Diagnosis Based on CT Scans*, 2020, Preprint.

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.

Nanjing, China
Deep Learning Intern

Mar. 2019- May.2019

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

Chongqing Yiwoke Science Technology Development Co., Ltd.

Java development intern

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