

# Xingyi Yang

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🌐 [adamdad.github.io](https://adamdad.github.io)

## EDUCATION BACKGROUND

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**University of California, San Diego(UCSD)**

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

**La Jolla, USA**

*Sept. 2019- Present*

**Southeast University**

*B.Eng. Computer Engineering*

GPA: 3.71/4, 88.1/100

**Nanjing, China**

*Sept. 2015-Jun. 2019*

**University of Ottawa**

*Visiting Student, Electrical and Computer Engineering*

**Ottawa, Canada**

*Jun. 2018-Sept. 2018*

## RESEARCH EXPERIENCE

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**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

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- 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

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**Kneron, Inc**

*Deep Learning Intern*

**La Jolla, USA**

*Oct. 2019- Jan. 2020*

- Post-training 8-bit quantization of neural network.

**ArcSoft Technology Co., Ltd.**

*Deep Learning Intern*

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

**Nanjing, China**

*Mar. 2019- May.2019*

**Chongqing Yiwoke Science Technology Development Co., Ltd.**

*Java development intern*

- Back-end development of Tianpeng bidding platform.

**Chongqing, China**

*Jul. 2017- Sept. 2017*

## **AWARDS AND CERTIFICATES**

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