FEI-FEI XUE

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Dept. of Computer Science and Engineering

Southern University of Science and Technology ⋄ Shenzhen, China, 518055

EDUCATION

School of Data and Computer Science   Sept. 2018 Jun. 2020
Sun Yat-sen University   Guangzhou, China
Master of engineering (Computer Technology)

School of Computer Science and Engineering   Sept. 2014 Jun. 2018
Central South University   Changsha, China
Bachelor of computer science and technology

- Overall GPA: 87.6/100 Rank: Top 15%
- Central South University Outstanding Graduates

PUBLICATIONS

Abnormality Detection in Chest X-ray Images Using Uncertainty Prediction Autoencoders (Early Accept)
Yifan Mao, **Fei-Fei Xue**, Ruixuan Wang, Jianguo Zhang, Wei-Shi Zheng, and Hongmei Liu
*International Conference on Medical Image Computing and Computer-Assisted Intervention (**MICCAI**), 2020.*

Improving Robustness of Medical Image Diagnosis with Denoising Convolutional Neural Networks (Early Accept)
Fei-Fei Xue, Jin Peng, Ruixuan Wang, Qiong Zhang and Wei-Shi Zheng
*International Conference on Medical Image Computing and Computer-Assisted Intervention (**MICCAI**), 2019.*

PROFESSIONAL EXPERIENCE

Southern University of Science and Technology   July 2020 -
Research Assistant (advised by Prof. Jianguo Zhang)   *Shenzhen, China*

· Investigate the performance of different action recognition networks, including: SlowFast, TSM and TEA.
· Design an efficient architecture for action recognition based on both RGB and optical-flow images.

Baidu Astar2019 Developer Competition   Jun. 2019 - Sep. 2019
Team competition participant   *Guangzhou, China*

· **Task:** Light-Weight Networks for Object Detection
· Reimplement series of MobileNets and ShuffleNets on the PaddlePaddle platform.
· Fine tune the light-weight backbones with detection networks, including SSD and YoLo.
· Apply filter pruning to compress the final model.
· Won 2nd place.

HONORS & AWARDS

Central South University Outstanding Graduates   2018
National project approval in National Undergraduate Training Program for Innovation and Entrepreneurship 2018
Central South University Excellent Student (Top 10%)   2015-2017

COMPUTER SKILLS

Languages	C, C++, Python.
Deep Learning Tools	Pytorch, Tensorflow.
Design Software	Sketch, Photoshop.
Operating Systems	Linux, Mac OSX, Windows