

Liang Xu

Shenzhen, China

☎ (+86) 15623454561

| ✉ xuliang123@alumni.hust.edu.cn

Education

Huazhong University of Science and Technology(HUST)

M.S. in Information & Communication Engineering

Concentrations: Action Detection, Computer Vision

Wuhan, China

Sep. 2016 - Jun 2019

Xidian University

B.S. in Biomedical-Engineering

Related Courses: Digital Image Processing(98), Random Signal Processing(98), Digital Signal Process(88), Signals and Systems(86)

Xi'an, China

Sep. 2012 - Jun 2016

Honors & Awards

2017 **5th Place**, Pig Face Recognition Competition National Final, JD Inc

Beijing, China

2017 **First Prize Academic Scholarship**, HUST

Wuhan, China

2016 **First Prize Academic Scholarship**, HUST

Wuhan, China

2015 **Award of Excellence**, Provincial awards

Xi'an, China

College Students Innovation and Entrepreneurship Project organised by Shaanxi Province

Working Experience

Computer Vision Researcher

Shenzhen, China

SenseTime Technology

Jul. 2019 - Present

Clothes-Changing Person Re-Identification(CCre-ID):

- Explore the application of clothes-changing person re-identification in video surveillance system.

Road Damage Detection project:

- Detect the damage's location and it's class(cracks, potholes, etc.) in RGB image.
- Rank 1st in the post-match leaderboard of IEEE BigData 2020 Global Road Damage Detection Challenge.

Car Wheel Detection project:

- Detect the position of four wheels to assist in judging the direction of the vehicle.
- Achieve comparable performance to large model but with only 10% of the backbone parameters.

Passenger Fall Recognition project:

- Recognize passenger's fall in the escalator surveillance video.
- Modeling the spatial-temporal information with conventional 2D CNN in real time.

Publication

Xu, L. (2019). *Cascaded boundary network for high-quality temporal action proposal generation*. IEEE Transactions on Circuits and Systems for Video Technology, 30(10), 3702-3713.

Skills

Machine Learning PyTorch, TensorFlow
Programming Python, C++, MATLAB
Languages Chinese, English