WEIXIN LUO

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EDUCATION

ShanghaiTech University, China *September 2015 - Present*
Ph.D in Computer Science
Mentor: Shenghua Gao

University of California, Davis *November 2018 - May 2019*
Visiting Ph.D student
Mentor: Yong Jae Lee

Shenzhen University, China *September 2011 - June 2015*
Bachelor in Computer Science
Mentor: Meng Yang

RESEARCH INTEREST

I am interested in computer vision and deep learning, especially action recognition, anomaly detection, object detection, segmentation, etc. I focus on analysis of surveillance videos including human detection, anomaly detection, face anonymization

PUBLICATIONS

Weixin Luo*, Wen Liu*, Shenghua Gao, Dongze Lian. Video Anomaly Detection with Sparse Coding Inspired Deep Neural Networks. TPAMI 2019

Jia Zheng, **Weixin Luo**, Zhixin Piao, Shenghua Gao. Cascaded ConvLSTMs using Semantically-Coherent Data Synthetics for Unsupervised Video Object Segmentation. Under review on IEEE Access

Dongze Lian, Jing Li, Jia Zheng, **Weixin Luo**, Shenghua Gao. Density Map Regression Guided Detection Network for RGB-D Crowd Counting and Localization. CVPR 2019

Ziheng Zhang, Zhengxin LiNing Bi, Jia Zheng, Jinlei Wang, Kun Huang, **Weixin Luo**, Yanyu Xu, Shenghua Gao PPGNet: Learning Point-Pair Graph for Line Segment Detection. CVPR 2019

Wen Liu*, **Weixin Luo***, Shenghua Gao. Large Margin Video Anomaly Detection with A Few Anomalies. IJCAI 2019

Dongze Lian, Ziheng Zhang, **Weixin Luo**, lina hu, Minye Wu, Zechao Li, Jingyi Yu, Shenghua Gao. RGBD Based Gaze Estimation via Multi-task CNN. AAAI 2019

Wen Liu*, **Weixin Luo***, Shenghua Gao. Future Frame Prediction for Anomaly Detection A New Baseline. CVPR 2018

Zongwei Wang, Xu Tang, **Weixin Luo**, Shenghua Gao. Face Aging with Identity-Preserved Conditional Generative Adversarial Network. CVPR 2018

Dongze Lian, Shenghua Gao, Lina Hu, **Weixin Luo**, Yanyu Xu, Lixin Duan, Jingyi Yu. Multi-view Multi-task Gaze Prediction with Deep Convolutional Neural Networks. TNNLS 2018

Weixin Luo*, Wen Liu*, Shenghua Gao. A Revisit of Sparse Coding Based Anomaly Detection in Stacked RNN Framework . ICCV 2017

Weixin Luo*, Wen Liu*, Shenghua Gao. Remembering History with Convolutional LSTM for Anomaly Detection. ICME 2017

Meng Yang, Weiyang Liu, **Weixin Luo**, Linlin Shen. Analysis-Synthesis Dictionary Learning for Universality- Particularity Representation Based Classification. AAAI 2016

PROFESSIONAL SERVICES

CVPR 2018-2019 Reviewer

ICCV 2019 Reviewer

ACCV 2018 Reviewer

AAAI 2020 Program Committee Member