Chunze Lin
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Education

Tsinghua University, Beijing, Department of Automation 2016.09-2019.07
- Pattern Recognition and Intelligent System, Master of Engineering
- Supervised by Associate Professor Jiwen Lu
- CSC Scholarship (Top 10%)

Ecole Centrale de Nantes, France, Department of Digital Economy 2012.09 - 2016.07
- Signal and Image Processing, French Engineer
- ECN Scholarship (Top 5%)

Professional Experience

SenseTime, Research Scientist 2019-07 – Today
- Research on 3D face reconstruction from RGB face image
- Construction of a large 3D face dataset
- Research on 2D facial landmarks detection

IVG Lab of Tsinghua University, Assistant Researcher 2016.09 - 2019.08
- Research on pedestrian detection methods via deep feature learning
- Ranked at 4th position on MOT challenge for pedestrian detection
- Technical consultant of invention patents for pedestrian detection technologies

12Sigma Technologies, Research Scientist (Intern) 2018.03 - 2019.03
- Due to the lack of the data of mammograms for breast cancer diagnosis, I have proposed to employ generative adversarial networks to synthesize samples with lesions
- Improved the performance of detectors for breast cancer diagnosis with new generated images
- Efficiently suppress bony structures from chest radiographs using deep auto-encoder models

French CLS Group, Engineer of Image Processing (Intern) 2016.04 - 2016.08
- Due to high cost of observing sea level wind direction through buoys, I proposed to use satellite image to extract and process sea level information
- Developed an algorithm for wind direction prediction based on satellite images

Selected Publications

- Published as first author on **ECCV 2018**: Graininess-aware deep feature learning for pedestrian detection
- Published as second author on **ICCV 2019**: Self-critical attention learning for person re-identification
- Published as first author on **ICME 2018**: Multi-grained deep feature learning for pedestrian detection, accepted as Oral
- Published as first author on **T-CSVT**: Multi-grained deep feature learning for robust pedestrian detection
- Published as first author on **T-IP**: Graininess-aware deep feature learning for robust pedestrian detection

Skills

Deep Learning Technology/Tools
- Proficient in Caffe, Pytorch, Tensorflow
- Proficient in Object Detection (Faster R-CNN, SSD, YOLO)
- Proficient in Semantic Segmentation (FCN, DeepLab, Mask-RCNN)

Programming Language
- Proficient in Python and Matlab, Master C/C++

Language

- English: Full professional proficiency (TOEIC:935/990)
- French: Bilingual proficiency

Interest

Cultural Exchange: Vice president of China-France Exchange Association of Tsinghua University
Sport: Badminton, Fitness