

Shitong Sun

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RESEARCH INTERESTS

Federated Learning, Few shots learning, Computer Vision

EDUCATION

Katholic University of Leuven Artificial Intelligence Master Cum Laude	Sept.2017-Sept.2018
Katholic University of Leuven Electronic Engineering Bachelor Cum Laude	Sept.2015-Jul.2017
Beijing Jiaotong University Electrical Engineering and Automation Bachelor 90.1%	Sept.2013-Jul.2015

WORKING EXPERIENCE

Institute of Automation, Chinese Academy of Science Deep CNN based computer vision	China, 2018-now
Research on person Re-identification algorithm	Apr.2019 - now
<ul style="list-style-type: none">Multiple Granularities Network based human ReID algorithm with some configuration achieves rank-1 accuracy over 95% on Market1501 pedestrian dataset, which is comparable with state of the art.	
Cooperation with Skiing APP company:	Apr.2019 - now
<ul style="list-style-type: none">Apply pedestrian-attribute-recognition algorithm to real-world problemsDeep Multi-attribute Recognition model to extract clothes colorIntegrate Class Activation Mapping to the model to measure size of the clothes	
National key project:	Nov.2018 – Mar.2019
<ul style="list-style-type: none">Integrate algorithm to the existing Intelligent Scene Exploration and Evaluation (ISEE) platformReconstruction of human 3D model based on Densepose	

UNIVERSITY PROJECTS

Master Thesis Deep Neural Network Continual learning	Belgium, Nov.2017-Sept.2018
Supervisor: Prof. Tinne Tuytelaars	
<ul style="list-style-type: none">Using data prototypes to avoid forgetting in continual learningDesign algorithm for data representation extraction and combination from different tasks	
Master Incisor Segmentation Computer Vision	Belgium, Mar.-Jun.2018
<ul style="list-style-type: none">Build a simple incisor detector based on PCA for initial position estimationApply the Active Shape Model for incisorsInterpret the shape models with images for delicate segmentation	
Bachelor IoT based Pipeline inspection system Project Leader	Belgium, Mar.-Jun.2017
<ul style="list-style-type: none">Sensor network circuit design for temperature, humidity detectionBuild wireless communication between sensor nodes and remote serverBuild Database and web page visualization	

AWARDS

- Graduated with **Cum Laude** Bachelor and Master Honors in KU Leuven in 2017 and 2018
Cum Laude means graduate with distinction in Latin Honours
- Merit Student in Beijing Jiaotong University in 2015
- Study Scholarship in Beijing Jiaotong University in 2014 and 2015 (17/319)

SKILLS

- Language: English TOEFL 90, fluent in both spoken and written English
- Coding: 4 years of coding experience, familiar with Python, C, Java, TCP/IP, MATLAB, Keras, Pytorch, Caffe, Tensorflow