

HAORAN WANG

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<https://github.com/krumo>

EDUCATION

ETH Zürich, Switzerland

September 2017 - August 2020(*expected*)

Msc in Computer Science

Sichuan University, China

September 2013 - July 2017

BEng in Computer Science

GPA: 3.89/4.0, ranking: 2/370

RESEARCH EXPERIENCE

Computer Vision Lab, ETH Zürich, Switzerland

July 2018 - January 2019

Research Assistant

[Github Repo](#)

- Re-implemented CVPR 2018 work 'Domain Adaptive Faster R-CNN for Object Detection in the Wild' based on Facebook's object detection framework Detectron
- Proposed a fine-grained consistency regularization to reduce domain misalignment
- Improved performance on SIM10K to Cityscapes cross domain car detection task from 37.7% to 42.6%

PROFESSIONAL EXPERIENCE

Computer Vision and Multimedia Lab, JD AI Research, China

March 2019 - November 2019

Research Intern

- Researched on cross domain semantic segmentation
- Implemented algorithms for apparel instance segmentation

PUBLICATION

- **Haoran Wang**, Tong Shen, Wei Zhang, Lingyu Duan, Tao Mei. "Class-aware Domain Adaptive Semantic Segmentation".(Submitted for publication).

PROJECT EXPERIENCE

Kaggle: iMat-Fashion Competition at CVPR 2019 workshop

May 2019 - June 2019

- Implemented algorithm for apparel instance segmentation and Fine-grained attribute classification
- Got Gold Medal at final Private Leaderboard, rank 4/242

VisDA-2018 Challenge at ECCV 2018 workshop

June 2018 - August 2018

- Applied domain adaptation algorithm to adapt model trained on synthetic data for real objects detection
- Rank No.4 at final leaderboard

TECHNICAL STRENGTHS

Languages

C/C++, MATLAB, Python, Java, JavaScript

Toolboxes

PyTorch, Caffe2, Tensorflow