Changqian Yu

Research Intern

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Summary

I am a second-year graduate student majoring in Computer Vision at Huazhong University of Science and Technology. I am pursuing my Master Degree under the supervision of A.P. Changxin Gao and Prof. Nong Sang (2016-2019). I works as a research intern at Megvii (Face++) Inc. mentored by Dr. Gang Yu and supervised by Dr. Jian Sun. My research interests focus on the Computer Vision and Artificial Intelligence, specifically on the topic of Segmentation.

Education

PHD Student
2018.09 – present

Huazhong University of Science and Technology, China

Major in Computer Vision

Master Student
2016.09 – 2018.06

Huazhong University of Science and Technology, China

Major in Computer Vision

Undergraduate Student
2012.09 – 2016.06

Shandong University, China

Major in Automation
- Shandong University Second-class Scholarship for Outstanding Students
- Shandong University Social Scholarship

Publication

Learning a Discriminative Feature Network for Semantic Segmentation
CVPR2018

Changqian Yu, Jingbo Wang, Chao Peng, Changxin Gao, Gang Yu, Nong Sang

BiSeNet: Bilateral Segmentation Network for Real-time Semantic Segmentation
ECCV2018

Changqian Yu*, Jingbo Wang*, Chao Peng, Changxin Gao, Gang Yu, Nong Sang

Competition

NO.1 of COCO 2018 Challenge in Panoptic Segmentation Track 2018
NO.1 of Mapillary 2018 Challenge in Panoptic Segmentation Track 2018

Experience

Research Intern
2017.07 - 2018.07

Megvii(Face++)
- responsible for the algorithms about semantic segmentation
  - achieved **80.6%** Mean IoU on Cityscapes test-set
  - achieved **86.2%** Mean IoU on PASCAL VOC test-set
  - achieved **42.4%** Mean IoU on ADE 20K validation (ResNet-50)
- responsible for the algorithms about real-time semantic segmentation
  - achieved **112** FPS and **70%** Mean IoU on Cityscapes test-set
- responsible for the algorithms about video segmentation