

SHUAI SHAO

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EDUCATION

Jilin University, Changchun, China

September 2013 - June 2017

B.S. in Tangaoqing Honors Program in Computer Science.

HONORS AND AWARDS

The Gold Medal (2nd Place) of The 2013 ACM-ICPC Asia (Hangzhou) Regional Contest.

The 19th Place of The 2014 ACM-ICPC World Finals.

Top Winner of Places Instance Segmentation in COCO + Places 2017 Challenges, ICCV 2017.

Top Winner of WIDER Face in the WIDER Challenge, ECCV 2018.

Top Winner of ICDAR2019 Robust Reading Challenge on Arbitrary-Shaped Text. (as mentor)

EXPERIENCE

Algorithm Engineer, ByteDance

April 2020 - present

- Responsible for multi-modal content embeddings and applications in the content understanding team.

Researcher, Megvii Technology (Face++)

February 2017 - April 2020

- Main work including pedestrian and vehicle detection, vehicle license-plates recognition, and vehicle brand recognition.
- My research interests focus on Object Detection in Computer Vision, specifically on the topic of Detection in a Crowd, Text Detection (OCR) and Dataset Construction.

PUBLICATIONS

Conferences

1. Objects365: A Large-scale, High-quality Dataset for Object Detection.
Shuai Shao*, Zeming Li*, Tianyuan Zhang*, Chao Peng*, Gang Yu, Xiangyu Zhang, Jing Li, Jian Sun.
In *ICCV*, 2019.
2. Shape Robust Text Detection with Progressive Scale Expansion Network.
Wenhai Wang*, Enze Xie*, Xiang Li*, Wenbo Hou, Tong Lu, Gang Yu, **Shuai Shao**.
In *CVPR*, 2019.
3. Scene Text Detection with Supervised Pyramid Context Network.
Enze Xie*, Yuhang Zang*, **Shuai Shao**, Gang Yu, Cong Yao, Guangyao Li.
In *AAAI*, 2019.
4. Repulsion Loss: Detecting Pedestrians in a Crowd.
Xinlong Wang, Tete Xiao, Yuning Jiang, **Shuai Shao**, Jian Sun, Chunhua Shen.
In *CVPR*, 2018.

Journal

5. Birds of A Feather Flock Together: Category-Divergence Guidance for Domain Adaptive Segmentation.
Bo Yuan, Danpei Zhao, **Shuai Shao**, Zehuan Yuan, Changhu Wang.
IEEE Transactions on Image Processing, 2022.

Pre-prints

6. CrowdHuman: A Benchmark for Detecting Human in a Crowd.
Shuai Shao*, Zijian Zhao*, Boxun Li, Tete Xiao, Gang Yu, Xiangyu Zhang, Jian Sun.
arXiv preprint arXiv:1805.00123, 2018.
7. Object Detection via Aspect Ratio and Context Aware Region-based Convolutional Networks.
Bo Li, Tianfu Wu, **Shuai Shao**, Lun Zhang, Rufeng Chu.
arXiv preprint arXiv:1612.00534, 2016.

*indicates equal contribution.

PROFESSIONAL ACTIVITIES

Organizer, Detection In the Wild Challenge Workshop (DIW) at CVPR2019.

Last update: 15 October, 2022