

# SHUAI SHAO

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## EDUCATION

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**Jilin University, Changchun, China**

*September 2013 - June 2017*

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

## HONORS AND AWARDS

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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

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**Lead Researcher, 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

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### 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. MAMO: Masked Multimodal Modeling for Fine-Grained Vision-Language Representation Learning.  
Zijia Zhao, Longteng Guo, Xingjian He, **Shuai Shao**, Zehuan Yuan, Jing Liu.  
*arXiv preprint arXiv:2210.04183*, 2022.
7. 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.
8. 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

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

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