

ZHENGKAI JIANG

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NO. 95 Zhongguancun East Road, Beijing, China

ABOUT ME

Research Interest: 2D/3D Scene Understanding, Object Detection, Automatic Network Design

Programming: Python, PyTorch, MXNet, C++, Cuda

English: TOEFL 85, CET-6

EDUCATION

Institute of Automation, Chinese Academy of Sciences

M.Phil, Pattern Recognition and Intelligent Systems, 2020

Overall GPA: 3.7/4.0

Fields: Computer Vision

Beijing, China

Sep. 2017 - Jul. 2020

Northeastern University

B.E., Automation

Overall GPA: 91.3/100, Rank: 1/37(2/248)

Shenyang, China

Sep. 2013 - Jun. 2017

WORK EXPERIENCE

Megvii Research

· **Research Intern**, Base Detection Team

· Advisor: Dr. Jian Sun and Zeming Li

Beijing, China

Apr. 2019 - Mar. 2020

Horizon Robotics

· **Research Intern**, Algorithm Platform

· Advisor: Dr. Qian Zhang

Beijing, China

Jan. 2018 - Mar. 2019

Sensetime Research

· **Research Intern**

· Advisor: Dr. Jing Shao

Beijing, China

Apr. 2017 - Aug. 2017

PUBLICATIONS

Learning Where to Focus for Efficient Video Object Detection

Zhengkai Jiang, Yu Liu, Ceyuan Yang, Jihao Liu, Peng Gao, Qian Zhang, Shiming Xiang, Chunhong Pan

Jul. 2020

- [Accepted](#) by ECCV 2020

Class-balanced Grouping and Sampling for Point Cloud 3D Object Detection

Benjin Zhu, Zhengkai Jiang, Xiangxin Zhou, Zeming Li, Gang Yu

Jul. 2019

- NuScenes Winner in CVPR 2019 WAD Workshop [[Paper](#)] [[Code](#)]

Dynamic Fusion with Intra- and Inter- Modality Attention Flow for Visual Question Answering

Peng Gao, Zhengkai Jiang, Haoxuan You, Pan Lu, Steven Hoi, Xiaogang Wang, Hongsheng Li

Nov. 2019

- [Accepted](#) by CVPR 2019 [[Paper](#)] ([Oral](#))

Video Object Detection with Locally-Weighted Deformable Neighbours

Zhengkai Jiang, Peng Gao, Chaoxu Guo, Qian Zhang, Shiming Xiang, Chunhong Pan

Sep. 2018

- [Accepted](#) by AAAI 2019 [[Paper](#)]

AWARDS AND HONORS

Outstanding Student in Institution of Automation, Chinese Academy of Sciences

Jun. 2020

Outstanding Student in Institution of Automation, Chinese Academy of Sciences

Jun. 2019

Excellent Graduate in Liaoning Province

Jul. 2017

1st class Scholarship of Northeastern University

2014, 2016

2nd Prize on National Mathematical Contest in Modeling(in China)

Dec. 2015

3st Prize on Final Chinese Mathematics Competitions(in Fuzhou, China)	<i>Dec, 2015</i>
1st Prize on Chinese Mathematics Competitions(in Shenyang, China)	<i>Dec, 2015</i>
2st Prize on Final Chinese Mathematics Competitions(in Wuhan, China)	<i>Mar, 2015</i>
1st Prize on Chinese Mathematics Competitions(in Shenyang, China)	<i>Dec, 2014</i>
National Scholarship (Top 0.2% students in China)	<i>Nov, 2016</i>
National Scholarship (Top 0.2% students in China)	<i>Nov, 2015</i>
National Scholarship (Top 0.2% students in China)	<i>Nov, 2014</i>