

# Kai Chen

PHD CANDIDATE IN CUHK

SHB 703, The Chinese University of Hong Kong

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## Education

### The Chinese University of Hong Kong

PH.D IN INFORMATION ENGINEERING

- Member of Multimedia Lab

Hong Kong

Aug. 2015 - PRESENT

### Tsinghua University

B.S. IN AUTOMATION

- GPA 89.8/100.0, ranking 18/135

Beijing

Sept. 2011 - Jul. 2015

## Experience

### Sensetime

RESEARCH INTERN

- Researched on face detection algorithms.

Beijing

Jul. 2014 - Mar. 2015

### Graduation project

UNDERGRADUATE STUDENT

- Designed a road detection method using a camera and applied it to the auto-balancing bicycle.

Beijing

Feb. 2015 - Jun. 2015

### BigEye Lab, Tsinghua University

RESEARCH ASSISTANT

- Developed a model for skeleton recognition of stick figures and designed a method for rhythm detection.
- Designed an CAPTCHA OCR solution of course registration system and reached an accuracy of 90%.

Beijing

Dec. 2012 - Nov. 2013

## Honors & Awards

- 2015 National Virtual Instrument Contest, Grand Prize(top 1)
- 2014 Tsinghua Academic Merit Scholarship
- 2014 The 32nd "Challenge Cup" Undergraduate Curricular Academic Science and Technology Competition of Tsinghua University, 1st Prize
- 2014 HAGE Endeavor Scholarship, Department of Automation, Tsinghua University
- 2013 Tsinghua Academic Merit Scholarship
- 2012 National Physics Competition of College Students, 3rd Prize

## Publication

- **Kai Chen**, Jiaqi Wang, Shuo Yang, Xingcheng Zhang, Yuanjun Xiong, Chen Change Loy, Dahua Lin. "Optimizing Video Object Detection via a Scale-Time Lattice". *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2018
- **Kai Chen**, Hang Song, Chen Change Loy, Dahua Lin. "Discover and Learn New Objects from Documentaries". *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2017 (Spotlight)
- Xiaoxiao Li, Yuankai Qi, Zhe Wang, **Kai Chen**, Ziwei Liu, Jianping Shi, Ping Luo, Xiaoou Tang, Chen Change Loy. "Video Object Segmentation with Re-identification". Workshop of DAVIS Challenge on Video Object Segmentation, CVPR 2017 (Winning Entry)

## Skills

- Programming** Python, C/C++, Matlab
- Web** Flask with Python, Javascript, PHP