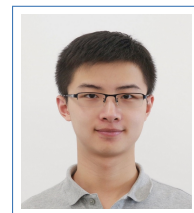


# Liu Yu

Room 304  
Ho Sin Hang Engineering building  
The Chinese University of Hong Kong  
Shatin, N.T., Hong Kong  
☎ +852 62392491  
✉ liuyuisanai@gmail.com  
🌐 liuyu.us



## Education

- 2017-2021 **Ph.D, MMLAB, The Chinese University of Hong Kong**, Hong Kong.  
Advisor: Xiaogang Wang
- 2012-2016 **B.E., major in computer science, BeiHang University**, Beijing, China.  
Bachelor degree with the best bachelor thesis (1/230)
- 2012-2013 **Mathematics, BeiHang University**, Beijing, China.  
Minor subject

## Work Experience

- 2016.01–now **Computer Vision Researcher, Sensetime Group Limited**, Beijing, China.  
Research on object detection and classification. Leader: Junjie Yan
- 2015–2016 **Computer Vision Research Intern, Microsoft Research (Asia)**, Beijing, China.  
Intern of Vision Computing group. Advisor: Fang Wen

## Publication

- NIPS* 2017 **Rethinking Feature Discrimination and Polymerization for Large-scale Recognition** .  
Yu Liu, Hongyang Li, Xiaogang Wang
- ICCV* 2017 **Recurrent Scale Approximation for Object Detection in CNN** .  
Yu Liu, Hongyang Li, Junjie Yan, Fangyin Wei, Xiaogang Wang, Xiaoou Tang
- CVPR* 2017 **Quality Aware Network for Set to Set Recognition** .  
Yu Liu, Junjie Yan, Wanli Ouyang
- CVPR* 2017 **Scale-Aware Face Detection** .  
Zekun Hao, Yu Liu, Junjie Yan
- ECCV* 2017 **POI: Multiple Object Tracking with High Performance Detection and Appearance Feature**.  
Fengwei Yu, Wenbo Li, Quanquan Li, Yu Liu, Xiaohua Shi, Junjie Yan
- 2017 **Learning Deep Features Via Congenerous Cosine Loss for Person Recognition** , *arXiv preprint arXiv:1702.06890*.  
Yu Liu, Hongyang Li, Xiaogang Wang
- 2017 **Zoom Out-and-In Network with Recursive Training for Object Proposal** ,  
*arXiv preprint arXiv:1702.05711*.  
Hongyang Li, Yu Liu, Wanli Ouyang, Xiaogang Wang

---

## Journal

- 2016 **3-D Object Understanding with 3D Convolutional Neural Networks** , *Information Science*, First student author.
- 2016 **Cascade shallow CNN structure for face verification and identification**, *Neurocomputing*.
- 2016 **Crafting GBD-Net for Object Detection**, *T-PAMI*.  
Xingyu Zeng, Wanli Ouyang, Junjie Yan, Hongsheng Li, Tong Xiao, Kun Wang, **Yu Liu**, Yucong Zhou, Bin Yang, Zhe Wang, Hui Zhou, Xiaogang Wang

---

## Honors and Awards

- Won the first place in ECCV-Multiple Objects Tracking Challenge (MOT16) in 2016(top 1)
- Won the first place in detection task of ImageNet (ILSVRC2016) in 2016(top 1)
- The best graduation thesis in Beihang University in 2016 (1/230)
- The Outstanding Winner of Challenge Cup of China in 2015(top 1)
- The First Prize of Fengru Cup (top 2.8%) in 2015
- CCF Certified Software Professionals top 5% in 2015
- Won Second Prize for “Lan Qiao Cup” in Beijing area in 2014
- Won research fundings for NTPIEU as project leader in 2014
- Won “Learning Merit Scholarship” twice in 2013 and 2014
- Won “Freshman Scholarship” from BeiHang University in 2012
- Won “Competition of science and technology scholarship” twice in 2013 and 2014

---

## TA Experience

- 2017 **Introduction to Embedded Systems**, *The Chinese University of Hong Kong*.
- 2015 **Object-oriented programming course**, *BeiHang University*.
- 2014 **Foundation of Computer Science**, *BeiHang University*.

---

## Development

<b>Languages</b>	MATLAB, C, C++, Python, MySQL, JAVA, HTML, PHP	<b>Library</b>	MATLAB, OpenCV, CUDA
<b>Platform</b>	Linux, Windows	<b>Tools</b>	L <sup>A</sup> T <sub>E</sub> X, Office, PhotoShop, Origin