

Lu Qi

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EDUCATION

- **The Chinese University of Hong Kong, CUHK** Hong Kong
PhD student Aug. 2017 –
 - Major: Computer Science and Engineering
 - Supervisor: Prof. Jiaya Jia
- **Institute of Automation, Chinese Academy of Sciences, UCAS** Beijing, P.R.China
M.S. Sep. 2014 – Jul. 2017
 - Major: Pattern Recognition and Intelligent System
 - Supervisor: Prof. Hong Qiao
- **Shandong University, SDU** Jinan, P.R.China
B.E. & B.S. Sep. 2010 – Jul. 2014
 - Major: Automation & Double Major: Financial Mathematics
 - Rank: 1/184 & 3/53

RESEARCH INTERESTS

- **Computer Vision**
 - Object Detection & Instance Segmentation
 - Image Generation
- **Natural Language Processing**
 - Machine Translation
 - Image Caption

COMPETITIONS

- 1st place in 2018 Scene Understanding Challenge for Autonomous Navigation in Unstructured Environments Instance Segmentation Track ECCV 2018
- 1st place in COCO 2017 Detection Challenge in Instance Segmentation track CVPR 2017
- 2nd place in COCO 2017 Detection Challenge in Object Detection track CVPR 2017
- 1st place in LSUN 2017 in Instance Segmentation track ICCV 2017
- 3rd place in SpaceNet Challenge TOPCODER 2016
- 4th place in Bike Sharing Demand KAGGLE 2014

PUBLICATIONS

- Lu Qi, Li Jiang, Shu Liu, Xiaoyong Shen, Jiaya Jia. “Amodal Instance Segmentation through KINS Dataset”, In Submission
- Lu Qi, Shu Liu, Jianping Shi, Jiaya Jia. “Sequential Context Encoding for Duplicate Removal”, NIPS 2018
- Shu Liu, Lu Qi, Haifang Qin, Jianping Shi, Jiaya Jia. “Path Aggregation Network for Instance Segmentation”, CVPR 2018 (Spotlight Presentation)
- Hao Zhou, Hai Huang, Xu Yang, Lu Zhang and Lu Qi. “Faster R-CNN for Marine Organism Detection and Recognition Using Data Augmentation”, Neurocomputing 2018

- Lu Zhang, Xu Yang, Zhiyong Liu, Lu Qi, Hao Zhou. "Single Shot Feature Aggregation Network for Underwater Object Detection", ICPR 2018
- Peijie Yin, Hong Qiao, Wu Wei, Lu Qi, Yinlin Li, Shanlin Zhong and Bo Zhang. "A Novel Biologically Inspired Visual Cognition Model: Automatic Extraction of Semantics, Formation of Integrated Concepts, and Reselection Features for Ambiguity", IEEE Transactions on Cognitive and Developmental Systems 2018
- Lu Qi, Peijie Yin, Xiayuan Huang, Ken Chen, Hong Qiao. "Transfer classification for distinct manifestations with shared information", WCICA 2016
- Peijie Yin, Lu Qi, Xuanyang Xi, Bo Zhang, Hong Qiao. "NFLB dropout: Improve generalization ability by dropping out the best -A biologically inspired adaptive dropout method for unsupervised learning", IJCNN 2016

AWARDS

- **Hong Kong PhD Fellowship Scheme** (231 candidates in Hong Kong) 2017 – 2021
- **The President Scholarship of SDU** (39 students from 40000 in all majors) 2014
- **National Scholarship in SDU** (Top 1% of students in one academic year) 2011-2013, thrice
- Graduate Scholarship in UCAS 2014-2016, thrice
- Baogang Academic Scholarship in SDU 2014
- Outstanding Graduates in Shandong Province 2014
- **Outstanding Undergraduates in Shandong Province** 2013
- Excellent Student Cadre as Monitor and Chair of Student Union 2013

RESEARCH EXPERIENCE

- **Tencent Youtu Lab** May. 2018 – present
Research Intern(Supervised by Dr. Shu Liu and Dr. Xiaoyong Shen)
– Topic: Instance Segmentation and Object Detection.
- **Sensetime** Nov. 2016 – Nov. 2017
Research Intern (Supervised by Dr. Jianping Shi)
– Topic: Instance segmentation with RGB data.