

# Zhishuai ZHANG

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## EDUCATION

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2016 - Present	<b>Johns Hopkins University</b> , Baltimore Ph.D. student   Advisor: Dr. Alan Yuille
2016 - 2016	<b>Johns Hopkins University</b> , Baltimore Visiting Undergraduate   Host: Dr. Alan Yuille
2012 - 2016	<b>University of Science and Technology of China</b> , Hefei B.E. in Computer Science   Graduate with Honor, Rank: 1 <sup>st</sup> /102

## WORK EXPERIENCE

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Aug 2016 - Current	<b>Research Assistant, Johns Hopkins University</b>
Feb 2016 - May 2016	Doing research on object detection, occluded object detection, part based model, adversarial attack and defense.
Jul 2015 - Oct 2015	<b>Intern at Yitu, Shanghai, China</b> Working on mid-level image pattern discovering and visualizing in deep networks.
Jul 2015	<b>Student Cluster Competition, Frankfurt, Germany</b>
Nov 2014	<b>Student Cluster Competition, New Orleans, United States</b> Building and managing high performance clusters.

## PUBLICATION

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**Zhishuai Zhang**, Siyuan Qiao, Cihang Xie, Wei Shen, Bo Wang, Alan Yuille, **Single-Shot Object Detection with Enriched Semantics**, Arxiv

Siyuan Qiao, **Zhishuai Zhang**, Wei Shen, Bo Wang, Alan Yuille, **Gradually Updated Neural Networks for Large-Scale Image Recognition**, Arxiv

Cihang Xie, Jianyu Wang, **Zhishuai Zhang**, Zhou Ren, Alan Yuille, **Mitigating adversarial effects through randomization**, Arxiv

**Zhishuai Zhang**, Cihang Xie, Jianyu Wang, Lingxi Xie, Alan Yuille, **DeepVoting: An Explainable Framework for Semantic Part Detection under Partial Occlusion**, Arxiv

Jianyu Wang, **Zhishuai Zhang**, Cihang Xie, Yuyin Zhou, Vittal Premachandran, Jun Zhu, Lingxi Xie, Alan Yuille, **Visual Concepts and Compositional Voting**, Annals of Mathematical Sciences and Applications 2017

Cihang Xie\*, Jianyu Wang\*, **Zhishuai Zhang\***, Yuyin Zhou, Lingxi Xie, Alan Yuille (\*equal contribution), **Adversarial Examples for Semantic Segmentation and Object Detection**, International Conference on Computer Vision (ICCV) 2017

Jianyu Wang\*, Cihang Xie\*, **Zhishuai Zhang\***, Jun Zhu, Lingxi Xie, Alan Yuille (\*equal contribution), **Detecting Semantic Parts on Partially Occluded Objects**, British Machine Vision Conference (BMVC) 2017

Jianyu Wang, **Zhishuai Zhang**, Cihang Xie, Vittal Premachandran, Alan Yuille, **Unsupervised learning of object semantic parts from internal states of CNNs by population encoding**, Arxiv

## PROFESSIONAL ACTIVITY

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Second place at **NIPS 2017: Defense Against Adversarial Attack** at Kaggle

Sub-reviewer for **AAAI Conference on Artificial Intelligence (AAAI) 2017**

## HONOR & AWARD

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2015 Guo Moruo Scholarship, by University of Science and Technology of China

2015 CSC-IBM Scholarship, by International Business Machine and China Scholarship Council

2014 National Scholarship, by Ministry of Education of the People's Republic of China

2013 Xingye Responsibility Scholarship, by Aegon-Industrial Fund Management Co.,Ltd

## TECHNICAL SKILL

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Algorithm, Data Structure, C/C++, Python, MATLAB, Linux, L<sup>A</sup>T<sub>E</sub>X