Zhishuai ZHANG

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147 Krieger Hall, 3400 N Charles St., Baltimore, MD 21218

EDUCATION

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

WORK EXPERIENCE

May 2019 - Aug 2019	**Software Engineering Intern, Waymo LLC**, Mountain View Future internship.
Aug 2016 - Current Feb 2016 - May 2016	**Research Assistant, Johns Hopkins University**, Baltimore Doing research on object detection, occluded object detection, part based model, adversarial attack and defense.
Sep 2018 - Dec 2018	**Teaching Assistant, Johns Hopkins University**, Baltimore Head TA for the course *Computer Vision.*
Jun 2018 - Aug 2018	**Research Intern, Facebook Inc.**, Menlo Park Working on personalization, advertisements ranking and recommendation in core machine learning personalization team.
Jul 2015 - Oct 2015	**Research Intern, Yitu Tech**, Shanghai Working on mid-level image pattern discovering and visualizing in deep networks.

PUBLICATION

Yingwei Li, Song Bai, Yuyin Zhou, Cihang Xie, **Zhishuai Zhang**, Alan Yuille, **Learning Transferable Adversarial Examples via Ghost Networks**, arXiv

Zhishuai Zhang, Wei Shen, Siyuan Qiao, Yan Wang, Bo Wang, Alan Yuille, **Robust Face Detection via Learning Small Faces on Hard Images**, arXiv

Cihang Xie, **Zhishuai Zhang**, Jianyu Wang, Yuyin Zhou, Zhou Ren, Alan Yuille, **Improving Transferability of Adversarial Examples with Input Diversity**, arXiv

Siyuan Qiao, Wei Shen, **Zhishuai Zhang**, Bo Wang, Alan Yuille, **Deep Co-Training for Semi-Supervised Image Recognition**, European Conference on Computer Vision (ECCV) 2018

Siyuan Qiao, **Zhishuai Zhang**, Wei Shen, Bo Wang, Alan Yuille, **Gradually Updated Neural Networks for Large-Scale Image Recognition**, International Conference on Machine Learning (ICML) 2018

Zhishuai Zhang, Siyuan Qiao, Cihang Xie, Wei Shen, Bo Wang, Alan Yuille, **Single-Shot Object Detection with Enriched Semantics**, Conference on Computer Vision and Pattern Recognition (CVPR) 2018

Zhishuai Zhang*, Cihang Xie*, Jianyu Wang*, Lingxi Xie, Alan Yuille (*equal contribution), **DeepVoting: An Explainable Framework for Semantic Part Detection under Partial Occlusion**, Conference on Computer Vision and Pattern Recognition (CVPR) 2018

Cihang Xie, Jianyu Wang, **Zhishuai Zhang**, Zhou Ren, Alan Yuille, **Mitigating adversarial effects through randomization**, International Conference on Learning Representations (ICLR) 2018

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 2018

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

Invited conference reviewer: **CVPR 2019**, **ICML 2019**, **NIPS 2018**

Invited journal reviewer: **IEEE Transactions on Cybernetics**

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

Honor & Award

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

Algorithm, Data Structure, C/C++, Python, MATLAB, Linux, LaTeX

Updated on December 11, 2018.