

Mr. Cihang Xie

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EDUCATION

- Johns Hopkins University (JHU)** **09/2016-present**
Department of Computer Science
Degree: Ph.D. in Computer Science
Advisor: Alan Yuille
- University of California, Los Angeles (UCLA)** **09/2014-12/2015**
Department of Electrical Engineering
Degree: M.S. in Electrical Engineering
- Huazhong University of Science and Technology (HUST)** **09/2010-06/2014**
Department of Electronics and Information Engineering
Degree: B.E. in Telecommunication Engineering

RESEARCH

Adversarial Examples, Object Detection

PUBLICATIONS

- [1] **Cihang Xie**, Zhishuai Zhang, Jianyu Wang, Yuyin Zhou, Zhou Ren, Alan Yuille. "Improving Transferability of Adversarial Examples with Input Diversity," Submitted to ECCV 2018
- [2] Zhishuai Zhang, Siyuan Qiao, **Cihang Xie**, Wei Shen, Bo Wang, Alan Yuille. "Single-Shot Object Detection with Enriched Semantics," CVPR, 2018
- [3] Zhishuai Zhang, **Cihang Xie**, Jianyu Wang, Lingxi Xie, Alan Yuille. "DeepVoting: A Robust and Explainable Deep Network for Semantic Part Detection under Partial Occlusion," CVPR, 2018
- [4] **Cihang Xie**, Jianyu Wang, Zhishuai Zhang, Ren Zhou, Alan Yuille. "Mitigating Adversarial Effects Through Randomization," ICLR, 2018
This Work ranked **No.2** in the *NIPS 2017 Challenge: Defense against Adversarial Attack*
- [5] **Cihang Xie**, Jianyu Wang, Zhishuai Zhang, Yuyin Zhou, Lingxi Xie, Alan Yuille. "Adversarial Examples for Semantic Segmentation and Object Detection," ICCV, 2017
- [6] 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
- [7] Jianyu Wang, **Cihang Xie**, Zhishuai Zhang, Jun Zhu, Lingxi Xie, Alan Yuille. "Detecting Semantic Parts on Partially Occluded Rigid Objects," BMVC, 2017
- [8] 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 preprint arXiv:1511.06855

TOOLS

Matlab Caffe TensorFlow

GITHUB

contributor to [tensorflow/cleverhans](https://github.com/tensorflow/cleverhans)