

# Mr. Cihang Xie

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## CONTACT

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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](https://arxiv.org/abs/1511.06855)

## TOOLS

Matlab Caffe TensorFlow

## GITHUB

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