Yinpeng Dong

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Experience

Department of Computer Science and Technology   2017.9 -
Tsinghua University, Beijing, China
Ph.D. Student, advised by Prof. Jun Zhu

Department of Computer Science and Technology   2013.8 - 2017.6
Tsinghua University, Beijing, China
Bachelor of Engineering
GPA: **94.4/100;** *Rank*: **2/107**

Robotic Institute   2016.6 - 2016.9
Carnegie Mellon University, Pittsburgh, US
Visiting Student

Department of Electrical Engineering and Computer Science   2015.6 - 2015.7
National Tsing Hua University, Hsinchu, Taiwan
Exchange Student

Computer Skills

Languages: C, C++, Python, Cuda.
Mathematical Computation: Matlab
Deep Learning Tools: Theano, Tensorflow, Caffe, Pytorch.
Operating Systems: Linux, Mac OSX, Windows.

Publications

Composite Binary Decomposition Networks
You Qiaoben, Zheng Wang, Jianguo Li, **Yinpeng Dong**, Yu-Gang Jiang and Jun Zhu
*The Thirty-Third AAAI Conference on Artificial Intelligence (**AAAI**), Honolulu, Hawaii, USA, 2019*

Towards Robust Detection of Adversarial Examples
Tianyu Pang, Chao Du, **Yinpeng Dong** and Jun Zhu
*Advances in Neural Information Processing Systems (**NeurIPS**), Montreal, Canada, 2018*

Boosting Adversarial Attacks with Momentum
Yinpeng Dong, Fangzhou Liao, Tianyu Pang, Hang Su, Jun Zhu, Xiaolin Hu and Jianguo Li
*IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), Salt Lake City, USA, 2018*

Defense against Adversarial Attacks Using High-Level Representation Guided Denoiser
Fangzhou Liao, Ming Liang, **Yinpeng Dong**, Tianyu Pang, Jun Zhu and Xiaolin Hu
*IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), Salt Lake City, USA, 2018*

Learning Visual Knowledge Memory Networks for Visual Question Answering
Zhou Su, Chen Zhu, **Yinpeng Dong**, Dongqi Cai, Yurong Chen and Jianguo Li

*IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), Salt Lake City, USA, 2018*

Learning Accurate Low-Bit Deep Neural Networks with Stochastic Quantization
Yinpeng Dong, Renkun Ni, Jianguo Li, Yurong Chen, Jun Zhu and Hang Su
*British Machine Vision Conference (**BMVC**), London, UK, 2017*

Forecast Plausible Paths in Crowd Scenes
Hang Su, Jun Zhu, **Yinpeng Dong** and Bo Zhang
*International Joint Conference on Artificial Intelligence (**IJCAI**), Melbourne, Australia, 2017*

Improving Interpretability of Deep Neural Networks with Semantic Information
Yinpeng Dong, Hang Su, Jun Zhu, and Bo Zhang
*IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), Honolulu, Hawaii, 2017*

Efficient and Robust Semi-supervised Learning over a Sparse-Regularized Graph
Hang Su, Jun Zhu, Zhaozheng Yin, **Yinpeng Dong** and Bo Zhang
*European Conference on Computer Vision (**ECCV**), Amsterdam, The Netherlands, 2016*

Feature Engineering and Ensemble Modeling for Paper Acceptance Rank Prediction
Yujie Qian*, **Yinpeng Dong***, Ye Ma*, Hailong Jin and Juanzi Li (* indicates equal contribution)
*SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD) Workshop **KDDCUP**, San Francisco, USA, 2016*

Crowd Scene Understanding with Coherent Recurrent Neural Networks
Hang Su, **Yinpeng Dong**, Jun Zhu, Haibin Ling and Bo Zhang
*International Joint Conference on Artificial Intelligence (**IJCAI**), New York, USA, 2016*

Awards	**China National Scholarship**	2018.10
	Future Researcher Scholarship	2017.9
	Tsinghua Outstanding Graduates	2017.6
	Beijing Outstanding Graduates	2017.6
	Outstanding Thesis	2017.6
	Zhong Shimo Scholarship	2016.12
	Zhong Shimo Scholarship	2015.12
	The CCF Outstanding Undergraduate Award	2015.6
	ST Engineering Overseas Scholarship	2015.5
	China National Scholarship	2014.10

Challenges	**The 2nd place in the Untargeted Attack track of NeurIPS 2018 Adversarial Vision Challenge** 2018.11
	The 2nd places in Targeted Attack track, Defense track, and the 3rd place in Non-targeted Attack track of GeekPwn CAAD competition 2018.9
	The 1st palce in GeekPwn CAAD CTF competition (Las Vegas) 2018.8
	The 1st places in NeurIPS 2017 Adversarial Attacks and Defenses 2017.10
	The 2nd place in KDDCUP 2016 2016.7
Services	**Reviewer:** TIP, TPAMI, IJCAI 2019, ICML 2019, CVPR 2019, AAAI 2019, NeurIPS 2016, UAI 2016