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教育

计算机科学与技术系 2017.09 -
清华大学, 北京, 中国
博士生, 导师: 张钹教授、朱军教授

计算机科学与技术系 2013.08 - 2017.06
清华大学, 北京, 中国
学士
GPA: 92/100; 排名: 5/107

机器学习系 2016.06 - 2016.09
卡内基梅隆大学, 匹兹堡, 美国
访问学生

实习经历

研究实习生, 视频组, 旷视科技 2017.03 - 2017.09

研究实习生, 人工智能平台组, 瑞莱智慧 2020.06 -

出版物

Black-box Detection of Backdoor Attacks with Limited Information and Data
Yinpeng Dong, Xiao Yang, **Zhijie Deng**, Tianyu Pang, Zihao Xiao, Hang Su, and Jun Zhu
International Conference on Computer Vision (ICCV, CCF-A), Virtual, 2021

LiBRe: A Practical Bayesian Approach to Adversarial Detection
Zhijie Deng, Xiao Yang, Shizhen Xu, Hang Su, and Jun Zhu
The Conference on Computer Vision and Pattern Recognition (CVPR, CCF-A), Virtual, 2021

AutoSync: Learning to Synchronize for Data-Parallel Distributed Deep Learning
Hao Zhang*, Yuan Li*, **Zhijie Deng**, Xiaodan Liang, Lawrence Carin, Eric P. Xing
Advances in Neural Information Processing Systems (NeurIPS, CCF-A), Vancouver, Canada, 2020

Understanding and Exploring the Network with Stochastic Architectures
Zhijie Deng, Yinpeng Dong, Shifeng Zhang, and Jun Zhu
Advances in Neural Information Processing Systems (NeurIPS, CCF-A), Vancouver, Canada, 2020

Adversarial Distributional Training for Robust Deep Learning
Zhijie Deng*, Yinpeng Dong*, Tianyu Pang, Hang Su, and Jun Zhu (* indicates equal contribution)
Advances in Neural Information Processing Systems (NeurIPS, CCF-A), Vancouver, Canada, 2020

Cluster Alignment with a Teacher for Unsupervised Domain Adaptation
Zhijie Deng, Yucen Luo, and Jun Zhu
International Conference on Computer Vision (ICCV, CCF-A), Seoul, Korea, 2019

Cavs: An Efficient Runtime System for Dynamic Neural Networks
Shizhen Xu, Hao Zhang, Graham Neubig, Wei Dai, Jin Kyu Kim, **Zhijie Deng**, Qirong Ho, Guangwen Yang, and Eric P Xing
USENIX Annual Technical Conference (USENIX ATC, CCF-A), Boston, USA, 2018

Structured Generative Adversarial Networks
Zhijie Deng*, Hao Zhang*, Xiaodan Liang, Luona Yang, Shizhen Xu, Jun Zhu, and Eric P Xing (* indicates equal contribution)
Advances in Neural Information Processing Systems (NeurIPS, CCF-A), Long Beach, USA, 2017

研讨会论文

DBSN: Measuring Uncertainty through Bayesian Learning of Deep Neural Network Structures
Zhijie Deng, Yucen Luo, and Jun Zhu
2nd Workshop on Neural Architecture Search at ICLR 2021

Batch Virtual Adversarial Training for Graph Convolutional Networks
Zhijie Deng, Yinpeng Dong, and Jun Zhu
ICML 2019 Workshop on Learning and Reasoning with Graph-Structured Representation, 2019

预印

Deep Ensemble as a Gaussian Process Posterior
Zhijie Deng and Jun Zhu
Draft

Exploring Memorization in Adversarial Training
Yinpeng Dong, Ke Xu, Xiao Yang, Tianyu Pang, **Zhijie Deng**, Hang Su, and Jun Zhu
ArXiv preprint 2106.01606

BayesAdapter: Being Bayesian, Inexpensively and Reliably, via Bayesian Fine-tuning
Zhijie Deng, Hao Zhang, Xiao Yang, Yinpeng Dong, and Jun Zhu
ArXiv preprint 2010.01979

Accurate and Reliable Forecasting using Stochastic Differential Equations
Peng Cui, **Zhijie Deng**, Wenbo Hu, and Jun Zhu
ArXiv preprint 2103.15041

专利

一种深度神经网络的贝叶斯结构学习方法及装置, 2021 (ZL 2019 1 0912494.3)
朱军, **邓志杰**, 张钹

奖励

华为-清华突出贡献奖	2021.06
‘84’ 创新未来奖学金	2020.12
NVAIL 研究先驱奖	2017.12
NIPS 2017 旅行奖	2017.12

	清华大学优良毕业生	2017.06
	清华大学学业优秀奖	2016.12
	清华大学学业优秀奖	2015.12
	清华大学学业优秀奖	2014.12
服务	会议审稿人: NeurIPS 2019, 2020, 2021; AAAI 2021, 2022; CVPR 2021, 2022; ICML 2021; ICCV 2021; ICLR 2022	
	期刊审稿人: T-ITS, Neural Networks	
	其他: ICML 2021 对抗机器学习研讨会审稿人; ICLR 2021 网络架构搜索研讨会程序委员会成员	
教学	2019 春, 统计机器学习课助教, 教师: 朱军教授	
	2018 秋, 机器学习课助教, 教师: 朱军教授、唐杰教授	
计算机技能	计算语言: C, C++, Python, Cuda	
	数值计算: Matlab	
	深度学习: Theano, Tensorflow, Caffe, Pytorch	
	操作系统: Linux, Mac OS, Windows	