SAFA CICEK

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Publications

Alex Wong, Safa Cicek, Stefano Soatto, Learning Topology from Synthetic Data for Unsupervised Depth Completion, in submission.

Alex Wong, Safa Cicek, Stefano Soatto, Targeted Adversarial Perturbations for Monocular Depth Prediction, in submission, https://arxiv.org/pdf/2006.08602.pdf

Safa Cicek, Ning Xu, Zhaowen Wang, Hailin Jin, Stefano Soatto, Spatial Class Distribution Shift in Unsupervised Domain Adaptation: Local Alignment Comes to Rescue. ACCV (2020).

Safa Cicek, Ning Xu, Zhaowen Wang, Hailin Jin, Stefano Soatto, Generative Feature Disentangling for Unsupervised Domain Adaptation. ECCVW (2020).

Safa Cicek, Stefano Soatto, Unsupervised Domain Adaptation via Regularized Conditional Alignment, ICCV (2019) *oral*, http://openaccess.thecvf.com/content_ICCV_2019/papers/Cicek_Unsupervised_Domain_Adaptation_via_Regularized_Conditional_Alignment_ICCV_2019_paper.pdf

Safa Cicek, Stefano Soatto, Input and Weight Space Smoothing for Semi-supervised Learning, ICCVW (2019), http://openaccess.thecvf.com/content_ICCVW_2019/papers/MDALC/Cicek_Input_and_Weight_Space_Smoothing_for_Semi-Supervised_Learning_ICCVW_2019_paper.pdf

Safa Cicek and Alhussein Fawzi and Stefano Soatto, Saas: Speed as a Supervisor for Semi-Supervised Learning, ECCV (2018), http://openaccess.thecvf.com/content_ECCV_2018/papers/Safa_Cicek_SaaS_Speed_as_ECCV_2018_paper.pdf

Safa Cicek, Alireza Nakhaei, Stefano Soatto, Kikuo Fujimura, MARL-PPS: Multi-agent Reinforcement Learning with Periodic Parameter Sharing, accepted to AAMAS (2019), http://www.ifaamas.org/Proceedings/aamas2019/pdfs/p1883.pdf

Patents

Nakhaei Sarvedani, Alireza, Kikuo Fujimura, and Safa Cicek. "SYSTEM AND METHOD FOR MULTI-AGENT REINFORCEMENT LEARNING WITH PERIODIC PARAMETER SHARING." U.S. Patent Application No. 16/680,395, http://www.freepatentsonline.com/y2020/0151564.html.

Education

UCLA, Los Angeles, California — PhD, 2015-present
In UCLA Vision Lab under the supervision of Professor Stefano Soatto. I passed EE preliminary exam in 2016. I passed EE Qualification exam and advanced to candidacy in 2018.

Thesis: Deep semi-supervised learning

Committee: Stefano Soatto (UCLA CS), Lieven Vandenberghe (UCLA EE), Paulo Tabuada (UCLA EE), Guy Van den Broeck (UCLA CS).

UCLA, Los Angeles, California — Masters, 2015-2017
EE, Electrical Engineering.

Bilkent University, Ankara, Turkey — BS, 2011-2015
EE, Electrical Engineering. Graduated within 3.5 years as a Valedictorian. 3.97 GPA out of 4.00.

Experience

Waymo Research, Mountain View, California — June 2020 - September 2020
I worked on state-of-the-art Graph Neural Networks for the object detection pipeline.

Adobe Research Institute, San Jose, California — June 2019 - September 2019
I worked on state-of-the-art GAN models for unsupervised domain adaptation.

Honda Research Institute, Mountain View, California — June 2018 - September 2018
I designed and implemented a novel state-of-the-art multi-agent reinforcement learning algorithm.

Skills
Deep learning libraries: Pytorch, TensorFlow, Keras

Programming languages: Python, Matlab, C++, Java.

Reviewer
European Conference on Computer Vision (ECCV), 2020

Neural Processing Letters (NEPL) , 2019

Selected Courses in Graduate School
EE courses: Nonlinear Dynamical Systems, Channel and Source Coding, Matrix Analysis, Adaptation and Learning, Convex Optimization, Stochastic Processes in Dynamical Systems, Linear Dynamical Systems.

CS courses: Learning and Reasoning with Bayesian Networks, Machine Perception, Machine Learning Algorithms, Algorithms and Complexity.

MATH courses: Advanced Numerical Analysis (on ODEs), Probability Theory (Measure Theory).

Awards

The Intel International Science and Engineering Fair (Intel ISEF), 2010 May
Fourth Award in Mathematical Sciences for the project "Barycentric Coordinates and Their Applications".

University Entrance Exam, 2011 May/June
Ranked as 68 among 1.6 million examinees.