Safa Cicek

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EDUCATION

UCLA
PhD in Electrical and Computer Engineering
2015-2020 | Los Angeles, California
In UCLA Vision Lab under the supervision of Professor Stefano Soatto.
Thesis: Visual Learning with Weak Supervision.
Committee: Stefano Soatto, Lieven Vandenberghe, Paulo Tabuada, Guy Van den Broeck.

UCLA
MS in Electrical Engineering
2015-2017 | Los Angeles, California

BILKENT UNIVERSITY
BS in Electrical Engineering
2011-2015 | Ankara, Turkey
Graduated within 3.5 years as a Valedictorian. 3.97 GPA out of 4.00.

GRADUATE COURSES

Nonlinear Dynamical Systems, Channel and Source Coding, Matrix Analysis, Adaptation and Learning, Convex Optimization, Stochastic Processes in Dynamical Systems, Linear Dynamical Systems, Learning and Reasoning with Bayesian Networks, Machine Perception, Machine Learning Algorithms, Algorithms and Complexity, Advanced Numerical Analysis (on ODEs), Probability Theory (Measure Theory).

SKILLS

Deep learning libraries: JAX, TensorFlow, Pytorch, Keras
Programming languages: Python (Google readability), C++, SQL, Matlab, Java

PATENTS

System and method for multi-agent reinforcement learning with periodic parameter sharing, 16/680,395.
Controlled style-content image generation based on disentangling content and style, 16/802,440.
Contrastive learning for object detection, 17/148,148.

EXPERIENCE

WAYMO | Senior Perception Engineer
February 2021 - Now | Mountain View, California
- sensor (camera-laser-radar) fusion, LVMs, object detection, depth prediction.

WAYMO | Intern
June 2020 - September 2020 | Mountain View, California
- object detection models, GNNs.

ADOBE RESEARCH | Intern
June 2019 - September 2019 | San Jose, California
- GAN models (e.g. style GAN) for unsupervised domain adaptation.

HONDA RESEARCH INSTITUTE | Intern
June 2018 - September 2018 | Mountain View, California
- multi-agent reinforcement learning algorithm.

SELECTED PUBLICATIONS

Alex Wong, **Safa Cicek**, Stefano Soatto, Learning Topology from Synthetic Data for Unsupervised Depth Completion, IEEE Robotics and Automation Letters (RAL). 2021.

Alex Wong, **Safa Cicek**, Stefano Soatto, Targeted Adversarial Perturbations for Monocular Depth Prediction, Conference on Neural Information Processing Systems (NeurIPS). 2020.

Safa Cicek, Ning Xu, Zhaowen Wang, Hailin Jin, Stefano Soatto, Generative Feature Disentangling for Unsupervised Domain Adaptation. European Conference on Computer Vision Workshop (ECCVW). 2020.

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

Safa Cicek, Stefano Soatto, Unsupervised Domain Adaptation via Regularized Conditional Alignment, International Conference on Computer Vision (ICCV) as **oral (%4.6)**. 2019.

Safa Cicek, Stefano Soatto, Input and Weight Space Smoothing for Semi-supervised Learning, International Conference on Computer Vision Workshop (ICCVW). 2019.

Safa Cicek and Alhussein Fawzi and Stefano Soatto, Saas: Speed as a Supervisor for Semi-Supervised Learning, European Conference on Computer Vision (ECCV). 2018.

REVIEWER

Conference on Neural Information Processing Systems (NeurIPS), 2023.
Conference on Computer Vision and Pattern Recognition (CVPR), 2021.
European Conference on Computer Vision (ECCV), 2020.
Neural Processing Letters (NEPL), 2019.

AWARDS

2010 Intel ISEF: Fourth Award in Mathematical Sciences
2011 University Entrance Exam: Ranked as 68 among 1.6 million examinees.