

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 Vandenbergh, 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

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

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

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

SKILLS

Deep learning libraries: • Pytorch • TensorFlow • Keras

Programming languages: • Python • Matlab • C++ • SQL • Java

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.

EXPERIENCE

WAYMO | PERCEPTION ENGINEER

February 2021 - Now | Mountain View, California

WAYMO | INTERN

June 2020 - September 2020 | Mountain View, California

- Worked on object detection models for camera view.

ADOBE RESEARCH | INTERN

June 2019 - September 2019 | San Jose, California

- Worked on state-of-the-art GAN models for unsupervised domain adaptation.

HONDA RESEARCH INSTITUTE | INTERN

June 2018 - September 2018 | Mountain View, California

- Designed and implemented a novel state-of-the-art 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 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.