

Georgia Gkioxari

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Education

University of California, Berkeley

Department of Electrical Engineering and Computer Science

Ph.D. (*September 2010-May 2016*)

Advisor: Prof. Jitendra Malik

National Technical University of Athens

Department of Electrical and Computer Engineering

Diploma (5-year degree) in Electrical Engineering (*October 2005-July 2010*)

Major: Signals, Systems and Robotics

G.P.A. : Overall: 9.78/10 - ranked 2nd (Major: 9.96/10)

Thesis Supervisor: Prof. Petros Maragos

Research Experience

Facebook, FAIR

Research Scientist, January 2018 - present

Facebook, FAIR

Post-doctoral Researcher, September 2016 - January 2018

Google Research Intern, Machine Perception

Internship with the Google Machine Perception Team, working on object recognition.

August 2015-March 2016

Google Research Intern, Google Brain

Internship with the Google Brain Team, working on sequential models for structured tasks.

May 2015-August 2015

Graduate Student Researcher, Computer Vision Group

Department of Electrical Engineering and Computer Science, University of California, Berkeley

September 2010-present

Visiting Researcher, LEAR, INRIA Grenoble-Rhone Alpes

Summer 2013

Undergraduate Member, Computer Vision, Speech Communication and Signal Processing Group.

Undergraduate Thesis: *"Three Dimensional Reconstruction of Objects and Buildings using Multiple View Geometry"* (in Greek)

Department of Electrical and Computer Engineering, NTUA

September 2009 - July 2010

Publications

Mesh R-CNN

Georgia Gkioxari, Jitendra Malik and Justin Johnson
International Conference of Computer Vision (ICCV), 2019

Embodied Question Answering in Photorealistic Environments with Point Cloud Perception

Erik Wijmans, Samyak Datta, Oleksandr Maksymets, Abhishek Das, Georgia Gkioxari, Stefan Lee, Irfan Essa, Devi Parikh and Dhruv Batra
Computer Vision and Pattern Recognition (CVPR), 2019

Multi-Target Embodied Question Answering

Licheng Yu, Xinlei Chen, Georgia Gkioxari, Mohit Bansal, Tamara Berg and Dhruv Batra
Computer Vision and Pattern Recognition (CVPR), 2019

Neural Modular Control for Embodied Question Answering

Abhishek Das, Georgia Gkioxari, Stefan Lee, Devi Parikh and Dhruv Batra
Conference on Robot Learning (CoRL), 2018

Detecting and Recognizing Human-Object Interactions

Georgia Gkioxari, Ross Girshick, Piotr Dollár and Kaiming He
Computer Vision and Pattern Recognition (CVPR), 2018

Embodied Question Answering

Abhishek Das, Samyak Datta, Georgia Gkioxari, Stefan Lee, Devi Parikh, Dhruv Batra
Computer Vision and Pattern Recognition (CVPR), 2018

Detect-and-Track: Efficient Pose Estimation in Videos

Rohit Girdhar, Georgia Gkioxari, Lorenzo Torresani, Manohar Paluri and Du Tran
Computer Vision and Pattern Recognition (CVPR), 2018

Data Distillation: Towards Omni-Supervised Learning

Ilija Radosavovic, Piotr Dollár, Ross Girshick, Georgia Gkioxari and Kaiming He
Computer Vision and Pattern Recognition (CVPR), 2018

Building Generalizable Agents With a Realistic And Rich 3D Environment

Yi Wu, Yuxin Wu, Georgia Gkioxari, Yuandong Tian
International Conference on Learning Representations - Workshop Track (ICLR), 2018

Mask R-CNN

Kaiming He, Georgia Gkioxari, Piotr Dollár and Ross Girshick
International Conference of Computer Vision (ICCV), 2017

Learn2Smile: Learning Non-verbal Interaction through Observation
Will Feng, Anitha Kannan, Georgia Gkioxari, Larry Zitnick
International Conference on Intelligent Robots and Systems (IROS), 2017

Chained Predictions using Convolutional Neural Networks
Georgia Gkioxari, Alexander Toshev and Navdeep Jaitly
European Conference of Computer Vision (ECCV), 2016

The Three R's of Computer Vision: Recognition, Reconstruction and Reorganization
J. Malik, P. Arbelàez, J. Carreira, K. Fragkiadaki, R. Girshick, G. Gkioxari, S. Gupta, B. Hariharan, A. Kar, S. Tulsiani
Pattern Recognition Letters, 2016

Contextual Action Recognition with R^{*}CNN
Georgia Gkioxari, Ross Girshick and Jitendra Malik
International Conference of Computer Vision (ICCV), 2015

Actions and Attributes from Wholes and Parts
Georgia Gkioxari, Ross Girshick and Jitendra Malik
International Conference of Computer Vision (ICCV), 2015

Finding Action Tubes
Georgia Gkioxari and Jitendra Malik
Computer Vision and Pattern Recognition (CVPR), 2015

Using k -poselets for detecting people and localizing their keypoints
Georgia Gkioxari*, Bharath Hariharan*, Ross Girshick and Jitendra Malik
Computer Vision and Pattern Recognition (CVPR), 2014
* authors contributed equally

Articulated Pose Estimation using Discriminative Armlet Classifiers
Georgia Gkioxari, Pablo Arbelàez, Lubomir Bourdev and Jitendra Malik
Computer Vision and Pattern Recognition (CVPR), 2013

Talks

Geometry Meets Deep Learning Workshop at ICCV 2019, Korea, 2019

Person in Context Workshop at ICCV 2019, Korea, 2019

Scenes from Video Workshop, Madrid, September 2019

Benchmarking Multi-Target Tracking: How crowded can it get? Workshop at CVPR 2019, Long Beach, 2019

Deep Learning for Visual Navigation Workshop at CVPR 2019, Long Beach, 2019

African's Master of Machine Intelligence at AIMS, Kigali, April 2019

GRASP Lab Seminar at UPenn, April 2019

International Computer Vision Summer School, Sicily, July 2018

Deep Learning for Robotics Summit by Re-Work, San Francisco, July 2018

Good Citizen Workshop of CVPR at CVPR 2018, Salt Lake City, 2018

Visual Recognition and Beyond Tutorial at CVPR 2018, Salt Lake City, 2018

Instance-level Visual Recognition Tutorial at ICCV 2017, Venice, 2017

Service

PC for CVPR 2021

AC for CVPR 2018, 2019, 2020

Program committee for CVPR, ECCV, ICCV, ICML, NIPS, ICLR

Honors/Awards

Marr Prize for Mask R-CNN, ICCV 2017

CVPR 2017 Outstanding Reviewer, 2017

Rising Stars in EECS, 2014

Graduate Student Instructor Outstanding Award for TA'ing CS188: Introduction to Artificial Intelligence during the fall semester 2011

Scholarship granted by The State Scholarship Foundation for excellent academic performance for the academic year 2009-2010

Thomaidio Award for excellent academic performance for the academic year 2009-2010

KARY Award for excellent academic performance for academic year 2009-2010

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KARY Award for excellent academic performance for academic year 2008-2009

Scholarship granted by The State Scholarship Foundation for excellent academic performance for academic year 2006-2007

Award granted by the legacy of Chr. Papakyriakopoulos for excellent performance in mathematics for academic year 2006-2007

KARY Award for excellent academic performance for academic year 2006-2007

Award granted by the legacy of Chr. Papakyriakopoulos for excellent performance in mathematics for academic year 2005-2006

Scholarship in memory of professor "Nikolaos Kritikos" for excellent performance in mathematics for academic year 2005-2006

Eurobank EFG Award for achieving the highest GPA score in my highschool for academic year 2004-2005

Relevant Coursework

Artificial Intelligence: Computer Vision, Statistical Learning Theory A, Natural Language Processing, Neural Computation

Theory: Introduction to Convex Optimization, Randomized Computation

Neuroscience: Visual Neuroscience

Teaching Experience

CS188: Artificial Intelligence - Graduate Student Instructor Outstanding Award

Fall 2011. (GSI) Search. Markov Decision Processes. Reinforcement Learning. Bayes Nets. Probabilistic Tracking. PacMan

CS280: Computer Vision Fall 2012. (GSI) Human visual perception. Stereo. Image Segmentation. Texture. Object recognition.

Computer Skills

Deep Learning Libraries: PyTorch, , Tensor Flow, Caffe2, Caffe

Programming Languages: Python, C/C++, Java

Platforms: Windows, GNU/Linux, MacOSx

Language Skills

Greek, native

English, Certificate of Proficiency in English, University of Michigan

German, Mittelstufe, Goethe Institut

French, three years of studies