Georgia Gkioxari

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Education

University of California, Berkeley — Fall 2010 - Spring 2016
Ph.D. in Electrical Engineering and Computer Science
Thesis: "Contextual Visual Recognition from Images and Videos"
Advisor: Prof. Jitendra Malik

National Technical University of Athens — Fall 2005 - Spring 2010
Diploma (5-year degree) in Electrical and Computer Engineering
Supervisor: Prof. Petros Maragos
GPA: 9.78/10 - ranked 2nd (Major: 9.96/10)

Research Experience

Research Scientist, Facebook AI Research — 01/2018 - present

Post-doctoral Researcher, Facebook AI Research — 09/2016 - 01/2018

Research Intern, Google AI — 08/2015 - 03/2016
Working on object recognition with Jitendra Malik

Research Intern, Google Brain — 05/2015 - 08/2015
Working on sequential models with Navdeep Jaitly & Alexander Toshev

Visiting Researcher, LEAR, INRIA Grenoble-Rhone Alpes — Summer 2013
Working on action recognition with Jitendra Malik & Cordelia Schmid

Graduate Student Researcher, UC Berkeley — Fall 2010 - Spring 2016
Jitendra Malik's group

Undergraduate Researcher, NTUA — Fall 2009 - Spring 2010
Petros Maragos' group

Service

Program co-chair for CVPR 2021

Area chair for CVPR 2018, 2019, 2020

Reviewer for CVPR, ECCV, ICCV, ICML, NIPS, ICLR

Honors/Awards/Nominations

Nomination for Women in AI Award by VentureBeat	2020
30 Influential Women Advancing AI by Re-Work	2019
Marr Prize for Mask R-CNN	ICCV 2017
Outstanding Reviewer	CVPR 2017
Rising Stars in EECS	2014
Graduate Student Instructor Outstanding Award	Fall 2011
State Foundation Award for excellent academic performance	2009 - 2010
Thomaidio Award for excellent academic performance	2009 - 2010
KARY Award for excellent academic performance	2009 - 2010
Thomaidio Award for excellent academic performance	2008 - 2009
KARY Award for excellent academic performance	2008 - 2009
State Foundation Award for excellent academic performance	2006 - 2007
C. Papakyriakopoulos Award for excellent performance in math	2006 - 2007
KARY Award for excellent academic performance	2006 - 2007
C. Papakyriakopoulos Award for excellent performance in math	2005 - 2006
N. Kritikos Award for excellent performance in math	2005 - 2006

Teaching Experience

African Master's in Machine Intelligence (AMMI) — 2019, 2020, 2021
Teaching the computer vision section of the program
African Institute of Mathematical Sciences (AIMS)

CS280: Computer Vision — Fall 2012
Graduate Student Instructor
Topics: Human visual perception, multi-view geometry, stereo, texture, image segmentation, object recognition
UC Berkeley

CS188: Introduction to Artificial Intelligence — Fall 2011
Graduate Student Instructor – GSI Outstanding Award
Topics: Search, Markov decision processes, reinforcement learning, bayes nets, probabilistic tracking
UC Berkeley

Open Source Libraries

Pytorch3D
Nikhila Ravi, Jeremy Reizenstein, David Novotny, Taylor Gordon, Wan-Yen Lo, Justin Johnson and Georgia Gkioxari

Detectron
Ross Girshick, Ilija Radosavovic, Georgia Gkioxari, Piotr Dollàr and Kaiming He

Publications

3D Shape Reconstruction from Vision and Touch
Edward J. Smith, Roberto Calandra, Adriana Romero, Georgia Gkioxari, David Meger, Jitendra Malik and Michal Drozdal
Conference on Neural Information Processing Systems (NeurIPS), 2020

SynSin: End-to-end View Synthesis from a Single Image
Olivia Wiles, Georgia Gkioxari, Rick Szeliski and Justin Johnson
Computer Vision and Pattern Recognition (CVPR), 2020

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 Dollàr 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 Dollàr, 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 Dollàr 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 Arbelaez, Lubomir Bourdev and Jitendra Malik
Computer Vision and Pattern Recognition (CVPR), 2013

Talks

Lecturer at SIGGRAPH Asia Course on PyTorch3D, December 2020

Women in Machine Learning (WiML) Workshop, NeurIPS 2020

Invited Speaker at Differentiable computer vision, graphics, and physics in ML Workshop, NeurIPS 2020

Invited Talk at 3DGV Seminar, October 2020

TWiML podcast, September 2020

Invited Talk at the Center for Research and Formation in AI, University de los Andes, Bogotá, Colombia, September 2020

Invited Speaker at Learning 3D Generative Models, CVPR 2020

Invited Speaker at Women in Computer Vision, CVPR 2020

Lecturer at African's Master of Machine Intelligence at AIMS, Kigali, April 2020

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

Invited Speaker at Person in Context Workshop, ICCV 2019, Korea

Scenes from Video Workshop, Madrid, September 2019

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

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

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

GRASP Lab Seminar at UPenn, April 2019

Lecturer at International Computer Vision Summer School, Sicily, July 2018

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

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

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

Instance-level Visual Recognition Tutorial, ICCV 2017, Venice

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

Computer Skills

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

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

Last updated: April 11, 2021