

Georgia Gkioxari

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Education

University of California, Berkeley

2010 – 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

2005 – 2010

Diploma in Electrical and Computer Engineering (5-year degree)

Major: Signals, Systems and Robotics

Thesis: “3D Reconstruction of Objects and Buildings with Multiple View Geometry”

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

Advisor: Prof. Petros Maragos

Research Experience

Facebook AI Research

01/2018 – now

Research Scientist

Facebook AI Research

09/2016 – 01/2018

Post-doctoral Researcher

Google AI, Machine Perception

08/2015 – 05/2016

Research Intern with Rahul Sukthankar, Jitendra Malik

Google Brain

05/2015 – 08/2015

Research Intern with Navdeep Jaitly

INRIA Grenoble-Rhone Alpes, LEAR

06/2013 – 08/2013

Visiting Researcher with Cordelia Schmid

UC Berkeley, Computer Vision Group

08/2010 – 09/2016

Graduate Student Researcher with Jitendra Malik

NTUA, Computer Vision Group

09/2009 – 07/2010

Undergraduate Member with Petros Maragos

Teaching Experience

AIMS, AMMI

2019 – 2021

Object Recognition, 3D Computer Vision

ICVSS, Italy

Summer, 2018

Object Recognition

CS280: Computer Vision, UC Berkeley

Spring, 2012

Human visual perception, stereo, image segmentation, texture, object recognition

CS188: Introduction to Artificial Intelligence, UC Berkeley
 Search, Markov decision processes, reinforcement learning, Bayes nets, probabilistic tracking, Pac-Man
 Graduate Student Instructor Outstanding Award

Fall, 2011

Honors/Awards/Nominations

PAMI Young Researcher Award	2021
PAMI Mark Everingham Prize for Detectron	2021
Nomination for Women in AI Awards, VentureBeat	2020
30 Influential Women Advancing AI in 2019, ReWork	2019
Marr Prize for Mask R-CNN, ICCV	2017
CVPR Outstanding Reviewer, CVPR	2017
Rising Stars in EECS	2014
Graduate Student Instructor Outstanding Award for CS188	2012
State Scholarship 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 Scholarship Foundation Award for excellent academic performance	2006 – 2007
Chr. Papakyriakopoulos Award for excellent performance in mathematics	2006 – 2007
KARY Award for excellent academic performance	2006 – 2007
Chr. Papakyriakopoulos Award for excellent performance in mathematics	2005 – 2006
Nikolaos Kritikos Award for excellent performance in mathematics	2005 – 2006
Eurobank EFG Award for achieving the highest GPA score in my highschool	2005

Service

DEI chair for WACV 2022	2022
Program co-chair for CVPR 2021	2021
Area chair for CVPR 2018, 2019, 2020, 2022	2018 – 2022
Program committee for CVPR, ECCV, ICCV, ICML, NeurIPS	2012– 2022

Tutorial/Workshop Organization

Tutorial on “ Visual Recognition for Images, Video, and 3D ”, ICCV 2019	2019
Tutorial on “ Visual Recognition and Beyond ”, CVPR 2019	2019
Tutorial on “ Visual Recognition and Beyond ”, ECCV 2018	2018
Tutorial on “ Visual Recognition and Beyond ”, CVPR 2018	2018
Tutorial on “ Instance-level Visual Recognition ”, ICCV 2017	2017

Talks

Distinguished Lecture Series, Imperial College London	12/2021
Panelist at the “Industry and Computer Vision Panel” , ICCV 2021	10/2021
Speaker at “Reviewing the Review Process” tutorial, ICCV 2021	10/2021
Keynote Speaker at “Workshop on Distributed Smart Cameras”, ICCV 2021	10/2021
Keynote Speaker at “Holistic Video Understanding” workshop, ICCV 2021	10/2021
Keynote Speaker at “Computer Vision in Human-Robot Collaborative Factories of the Future” workshop, ICCV 2021	10/2021
Keynote Speaker at “Assistive Computer Vision and Robotics ” workshop, ICCV 2021	10/2021
Featured in “Humans of AI: Stories, not Stats”	09/2021
Invited Speaker at MIA, MIT	09/2021
Invited Speaker at UIUC’s computer vision lab, UIUC	05/2021
Invited Speaker at Princeton’s computer vision lab, Princeton	04/2021
Invited Speaker at ECE’s seminar series, CMU	04/2021
Lecturer for SIGGRAPH Asia Course on PyTorch3D	12/2020
Keynote Speaker at “Differentiable CV, graphics, and physics in ML ” workshop, NeurIPS	12/2020
Invited Speaker at 3DGV Seminar	10/2020
Featured in TWiML podcast	09/2020
Invited Speaker at the Center for Research and Formation in AI, University de los Andes	09/2020
Keynote Speaker at “Learning 3D Generative Models” workshop, CVPR 2020	06/2020
Keynote Speaker at “Women in Computer Vision” workshop, CVPR 2020	06/2020
Keynote Speaker at “Geometry Meets Deep Learning” workshop, ICCV 2019	10/2019
Keynote Speaker at “Person in Context” workshop, ICCV 2019	10/2019
Invited Speaker at “Scenes from Video” workshop, Spain	09/2019
Keynote Speaker at “Benchmarking Multi-Target Tracking: How crowded can it get?” workshop, CVPR 2019	06/2019
Keynote Speaker at “Deep Learning for Visual Navigation” workshop, CVPR 2019	06/2019
Invited Speaker at “GRASP Lab Seminar”, UPenn	04/2019
Invited Speaker at “Deep Learning for Robotics Summit”, ReWork	07/2018
Invited Speaker at “Good Citizen” workshop, CVPR 2018	06/2018
Speaker at “ Visual Recognition and Beyond” tutorial, CVPR 2018	06/2018
Speaker at “ Instance-level Visual Recognition” tutorial, ICCV 2017	09/2017

Open Source Libraries

PyTorch3D	2020
Nikhila Ravi, Jeremy Reizenstein, David Novotny, Taylor Gordon, Wan-Yen Lo, Justin Johnson and Georgia Gkioxari	
Detectron	2017
Ross Girshick, Ilija Radosavovic, Georgia Gkioxari, Piotr Dollár and Kaiming He	
PAMI Mark Everingham Prize	

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 Dollár and Kaiming He
Computer Vision and Pattern Recognition CVPR, 2018
- Embodied Question Answering
Abhishek Das, Samyak Datta, Georgia Gkioxari, Stefan Lee, Devi Parikh and 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 and Yuandong Tian
International Conference on Learning Representations – Workshop Track ICLR W, 2018

Mask R-CNN

Kaiming He, Georgia Gkioxari, Piotr Dollár and Ross Girshick

International Conference of Computer Vision

ICCV, 2017

Best Paper Award (Marr Prize)

Learn2Smile: Learning Non-verbal Interaction through Observation

Will Feng, Anitha Kannan, Georgia Gkioxari and Larry Zitnick

International Conference on Intelligent Robots and Systems

IROS, 2017

Finalist for the JTCF Novel Technology Paper Award For Amusement Culture

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

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, TensorFlow, Caffe2, Caffe

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

Language Skills

Greek: native

English: Certificate of Proficiency in English, University of Michigan

German: Mittelstufe, Goethe Institut

French: Three years of studies

Last updated: December 12, 2021