

# Georgia Gkioxari

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## Work Experience

<b>Computing + Mathematical Sciences (CMS), Caltech</b> Assistant Professor	01/2023 – now
<b>Meta, Facebook AI Research</b> Research Scientist	01/2018 – 12/2022
<b>Meta, Facebook AI Research</b> Post-doctoral Researcher	09/2016 – 01/2018
<b>Google AI, Machine Perception</b> Research Intern with Rahul Sukthankar, Jitendra Malik	08/2015 – 05/2016
<b>Google Brain</b> Research Intern with Navdeep Jaitly	05/2015 – 08/2015
<b>INRIA Grenoble-Rhone Alpes, LEAR</b> Visiting Researcher with Cordelia Schmid	06/2013 – 08/2013
<b>UC Berkeley, Computer Vision Group</b> Graduate Student Researcher with Jitendra Malik	08/2010 – 09/2016
<b>NTUA, Computer Vision Group</b> Undergraduate Member with Petros Maragos	09/2009 – 07/2010

## Education

<b>University of California, Berkeley</b> Ph.D. in Electrical Engineering and Computer Science Thesis: “Contextual visual recognition from images and videos” Advisor: Prof. Jitendra Malik	2010 – 2016
<b>National Technical University of Athens</b> 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 2 <sup>nd</sup> Advisor: Prof. Petros Maragos	2005 – 2010

## Teaching Experience

<b>CS 101 – Learning &amp; 3D</b> Caltech, Winter 2024	2024
<b>EE/CS 148 – Large Language And Vision Models</b> Caltech, Spring 2023 - 2024	2023-2024

<b>AIMS, AMMI</b> Object Recognition, 3D Computer Vision	2019 – 2022
<b>ICVSS, Italy</b> Object Recognition	Summer, 2018, 2024
<b>CS280: Computer Vision</b> , UC Berkeley Human visual perception, stereo, image segmentation, texture, object recognition	Spring, 2012
<b>CS188: Introduction to Artificial Intelligence</b> , UC Berkeley Search, Markov decision processes, reinforcement learning, Bayes nets, probabilistic tracking, Pac-Man	Fall, 2011
Graduate Student Instructor Outstanding Award	

## Open Source Libraries

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

## Honors/Awards/Nominations

• <b>Packard Fellowship for Science and Engineering</b> Awarded annually to 20 early-career scientists and engineers ( <a href="#">source</a> ).	2025
• Okawa Research Grant ( <a href="#">source</a> )	2024
• Google Faculty Scholar ( <a href="#">source</a> )	2024
• Amazon Research Award ( <a href="#">source</a> )	2024
• William H. Hurt Scholar	2023
• <b>PAMI Young Researcher Award</b> Awarded annually to one or two researchers for distinguished research contribution in computer vision within seven years of their PhD.	2021
• <b>PAMI Mark Everingham Prize for Detectron</b> Awarded to a researcher, or a team of researchers, who have made a selfless contribution of significant benefit to other members of the computer vision community. This prize was awarded to the Detectron team for our object detection library suite Detectron.	2021
• Nomination for Women in AI Awards, <a href="#">VentureBeat</a>	2020
• 30 Influential Women Advancing AI in 2019, <a href="#">ReWork</a>	2019
• <b>Marr Prize for Mask R-CNN</b> , ICCV The ICCV best paper award is the Marr Prize, named after British neuroscientist David Marr. The award is picked by a committee delegated by the program chairs of the conference.	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

• Senior Area Chair for CVPR, ICLR 2026	2026
• Award Committee for ICML 2025	2025
• Senior Area Chair for CVPR, NeurIPS D&B 2025	2025
• Senior Area Chair for ICLR, ICML, NeurIPS 2024	2024
• Senior Area Chair for NeurIPS, CVPR 2023	2023
• Award Committee for WACV 2023	2023
• DEI chair for WACV 2022	2022
• Program co-Chair for CVPR 2021	2021
• Area Chair for CVPR 2018, 2019, 2020, 2022, 2024, ICCV 2023, ECCV 2022	2018 – 2023
• Program Committee for CVPR, ECCV, ICCV, ICML, NeurIPS	2012– 2023

## Selected Talks

• Talk at the “What’s next in Multimodal Foundation Models” Workshop, ICCV 2025	10/2025
• Talk at the “Closing the Loop Between Vision and Language” Workshop, ICCV 2025	10/2025
• Talk at the “3D Modeling, Reconstruction, and Generation in the Wild” Workshop, ICCV 2025	10/2025
• Invited Speaker at NVIDIA, 2024	9/2024
• Invited Speaker at <a href="#">NASA AMD AI Workshop</a> , 2024	3/2024
• Keynote at IEEE AIxVR, 2024	1/2024
• Keynote at BMVC, 2023	11/2023
• Talk at the “DataComp” Workshop, ICCV 2023	10/2023
• Talk at the “CV4Metaverse” Workshop, ICCV 2023	10/2023
• Talk at the “Scholars & Big Models: How can Academics Adapt?” Workshop, CVPR 2023	06/2023
• Keynote at the “3D Scene Understanding” Workshop, CVPR 2023	06/2023
• Keynote at the “Compositional 3D Vision” Workshop, CVPR 2023	06/2023
• Keynote at the “Multi-Agent Behavior” Workshop, CVPR 2023	06/2023
• Keynote at the ScanNet Workshop, CVPR 2023	06/2023

- Keynote at the “Fine-grained Visual Categorization” Workshop, CVPR 2023 06/2023
- Keynote at the “3D Vision & Robotics” Workshop, CVPR 2023 06/2023
- Keynote at the “Learning 3D with Multi-View Supervision” Workshop, CVPR 2023 06/2023
- Invited talk at Google Research, virtual 05/2023
- Guest Lecture at Imagine Lab, virtual 11/2022
- Guest Lecture at CMU-RI, virtual 10/2022
- Guest Lecture at Stanford Vision & Learning Lab, virtual 09/2022
- AI Symposium, Milan, Italy 07/2022
- 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

## Tutorial/Workshop Organization

- Workshop on “Quo Vadis, Computer Vision?”, ICCV 2023 2023
- 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

## Publications ([Google Scholar](#))

- Is This Tracker On? A Benchmark Protocol for Dynamic Tracking  
Ilona Demler, Saumya Chauhan and Georgia Gkioxari  
*Neural Information Processing Systems* NeurIPS, 2025
- Find Any Part in 3D  
Ziqi Ma, Yisong Yue and Georgia Gkioxari  
*International Conference on Computer Vision* ICCV, 2025
- Is CLIP ideal? No. Can we fix it? Yes!  
Raphi Kang, Yue Song, Georgia Gkioxari and Pietro Perona  
*International Conference on Computer Vision* ICCV, 2025
- Visual Agentic AI for Spatial Reasoning with a Dynamic API  
Damiano Marili\*, Rohun Agrawal\*, Yisong Yue and Georgia Gkioxari  
*Computer Vision and Pattern Recognition* CVPR, 2025
- TOTEM: TOkenized Time Series EMbeddings for General Time Series Analysis  
Sabera Talukder, Yisong Yue and Georgia Gkioxari  
*Transactions on Machine Learning Research* TMLR, 2025
- MonoTher-Depth: Enhancing Thermal Depth Estimation via Confidence-Aware Distillation  
Xingxing Zuo, Nikhil Raganathan, Conner Lee, Georgia Gkioxari and Soon-Jo Chung  
*IEEE Robotics and Automation Letters* RA-L, 2025
- Caltech Aerial RGB-Thermal Dataset in the Wild  
Connor Lee, Matthew Anderson, Nikhil Raganathan, Xingxing Zuo, Kevin Do, Georgia Gkioxari and Soon-Jo Chung  
*European Conference on Computer Vision* ECCV, 2024
- Objaverse-XL: A Universe of 10m+ 3D Objects  
Matt Deitke, Ruoshi Liu, Matthew Wallingford, Huong Ngo, Oscar Michel, Aditya Kusupati, Alan Fan, Christian Laforte, Vikram Voleti, Samir Yitzhak Gadre, Eli VanderBilt, Aniruddha Kembhavi, Carl Vondrick, Georgia Gkioxari, Kiana Ehsani, Ludwig Schmidt and Ali Farhadi  
*Neural Information Processing Systems – Dataset & Benchmarks* NeurIPS D&B, 2023
- Pixel-Aligned Recurrent Queries for Multi-View 3D Object Detection  
Yiming Xie, Huaizu Jiang, Julian Straub\* and Georgia Gkioxari\*  
*International Conference on Computer Vision* ICCV, 2023

- Omni3D: A Large Benchmark and Model for 3D Object Detection in the Wild  
Garrick Brazil, Abhinav Kumar, Julian Straub, Nikhila Ravi, Justin Johnson and Georgia Gkioxari  
*Computer Vision and Pattern Recognition* CVPR, 2023
- Multiview Compressive Coding for 3D Reconstruction  
Chao-Yuan Wu, Justin Johnson, Jitendra Malik, Christoph Feichtenhofer and Georgia Gkioxari  
*Computer Vision and Pattern Recognition* CVPR, 2023
- BKinD-3D: Self-Supervised 3D Keypoint Discovery from Multi-View Videos  
Jennifer J. Sun, Lili Karashchuk, Amil Dravid, Serim Ryou, Sonia Fereidooni, John Tuthill, Aggelos Katsaggelos, Bingni Brunton, Georgia Gkioxari, Ann Kennedy, Yisong Yue and Pietro Perona  
*Computer Vision and Pattern Recognition* CVPR, 2023
- Learning 3D Object Shape and Layout without 3D Supervision  
Georgia Gkioxari, Nikhila Ravi and Justin Johnson  
*Computer Vision and Pattern Recognition* CVPR, 2022
- Differentiable Stereopsis: Meshes from Multiple Views Using Differentiable Rendering  
Shubham Goel, Georgia Gkioxari and Jitendra Malik  
*Computer Vision and Pattern Recognition* CVPR, 2022
- 3D Shape Reconstruction from Vision and Touch  
Edward J. Smith, Roberto Calandra, Adriana Romero, Georgia Gkioxari, David Meger, Jitendra Malik and Michal Drozdal  
*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 on 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 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 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 and Yuandong Tian  
*International Conference on Learning Representations – Workshop Track* ICLR W, 2018
- Mask R-CNN  
Kaiming He, Georgia Gkioxari, Piotr Dollàr and Ross Girshick  
*International Conference on 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 on 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 on Computer Vision* ICCV, 2015
- Actions and Attributes from Wholes and Parts  
Georgia Gkioxari, Ross Girshick and Jitendra Malik  
*International Conference on 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*  
\* authors contributed equally

CVPR, 2014

Articulated Pose Estimation using Discriminative Armlet Classifiers  
Georgia Gkioxari, Pablo Arbelaez, 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