## Contact Information

- **2121 Berkeley Way**
- **University of California, Berkeley, CA 94704**
- **e-mail:** pavlakos@berkeley.edu
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- **mobile:** +1 215 512 0657

## Education

**University of Pennsylvania, USA**  
PhD in Computer and Information Science  
Thesis: Learning to Reconstruct 3D Humans  
Advisor: Kostas Daniilidis  

**National Technical University of Athens, Greece**  
Diploma in Electrical and Computer Engineering (MEng, five-year degree)  
GPA: 9.56/10, rank in top 1% of class  
Diploma thesis supervisor: Petros Maragos

## Academic Position

**University of California, Berkeley, USA**  
*Postdoctoral Scholar*  
Advisors: Angjoo Kanazawa, Jitendra Malik  

## Publications

- **The One Where They Reconstructed 3D Humans and Environments in TV Shows**  
  Georgios Pavlakos*, Ethan Weber*, Matthew Tancik, Angjoo Kanazawa (* equal contribution)  
  *European Conference on Computer Vision (ECCV), 2022*

- **Human Mesh Recovery from Multiple Shots**  
  Georgios Pavlakos, Jitendra Malik, Angjoo Kanazawa  
  *Computer Vision and Pattern Recognition (CVPR), 2022*

- **Tracking People by Predicting 3D Appearance, Location and Pose**  
  Jathushan Rajasegaran, Georgios Pavlakos, Angjoo Kanazawa, Jitendra Malik  
  *Computer Vision and Pattern Recognition (CVPR), 2022, Best Paper Finalist*

- **Tracking People with 3D Representations**  
  Jathushan Rajasegaran, Georgios Pavlakos, Angjoo Kanazawa, Jitendra Malik  
  *Advances in Neural Information Processing Systems (NeurIPS), 2021*

- **Probabilistic Modeling for Human Mesh Recovery**  
  Nikos Kolotouros, Georgios Pavlakos, Dinesh Jayaraman, Kostas Daniilidis  
  *International Conference on Computer Vision (ICCV), 2021*

- **Reactive Navigation in Partially Familiar Planar Environments Using Semantic Perceptual Feedback**  
  Vasileios Vasilopoulos, Georgios Pavlakos, Karl Schmeckpeper, Kostas Daniilidis, Daniel E. Koditschek  
  *International Journal of Robotics Research (IJRR), 2021*

- **Monocular Expressive Body Regression through Body-Driven Attention**  
  Vasileios Choutas, Georgios Pavlakos, Nima Ghorbani, Timo Bolkart, Dimitrios Tzionas, Michael J. Black  
  *European Conference on Computer Vision (ECCV), 2020*

- **Coherent Reconstruction of Multiple Humans from a Single Image**  
  Wen Jiang, Nikos Kolotouros, Georgios Pavlakos, Xiaowei Zhou, Kostas Daniilidis  
  *Computer Vision and Pattern Recognition (CVPR), 2020*
Reactive Navigation in Partially Familiar Planar Environments Using Semantic Perceptual Feedback
Vasileios Vasilopoulos, **Georgios Pavlakos**, Sean L. Bowman, J. Diego Caporale, Kostas Daniilidis, George J. Pappas, Daniel E. Koditschek
*IEEE Robotics and Automation Letters (RAL), 2020*

TexturePose: Supervising Human Mesh Estimation with Texture Consistency
**Georgios Pavlakos**, Nikos Kolotouros*, Kostas Daniilidis (*equal contribution)
*International Conference on Computer Vision (ICCV), 2019*

Learning to Reconstruct 3D Human Pose and Shape via Model-Fitting in the Loop
Nikos Kolotouros*, **Georgios Pavlakos**, Michael J. Black, Kostas Daniilidis (*equal contribution)
*International Conference on Computer Vision (ICCV), 2019*

Expressive Body Capture: 3D Hands, Face, and Body from a Single Image
**Georgios Pavlakos**, Vasileios Choutas*, Nima Ghorbani, Timo Bolkart, Ahmed A. A. Osman, Dimitrios Tzionas, Michael J. Black (*equal contribution)
*Computer Vision and Pattern Recognition (CVPR), 2019, Oral Presentation*

Convolutional Mesh Regression for Single-Image Human Shape Reconstruction
Nikos Kolotouros, **Georgios Pavlakos**, Kostas Daniilidis
*Computer Vision and Pattern Recognition (CVPR), 2019, Best Paper Finalist*

Ordinal Depth Supervision for 3D Human Pose Estimation
**Georgios Pavlakos**, Xiaowei Zhou, Kostas Daniilidis
*Computer Vision and Pattern Recognition (CVPR), 2018, Oral Presentation*

Learning to Estimate 3D Human Pose and Shape from a Single Color Image
**Georgios Pavlakos**, Luyang Zhu, Xiaowei Zhou, Kostas Daniilidis
*Computer Vision and Pattern Recognition (CVPR), 2018*

MonoCap: Monocular Human Motion Capture using a CNN Coupled with a Geometric Prior
Xiaowei Zhou, Menglong Zhu, **Georgios Pavlakos**, Spyridon Leonardos, Konstantinos G. Derpanis, Kostas Daniilidis
*Pattern Analysis and Machine Intelligence (PAMI), 2018*

Human Motion Capture Using a Drone
Xiaowei Zhou, Sikang Liu, **Georgios Pavlakos**, Vijay Kumar, Kostas Daniilidis
*International Conference on Robotics and Automation (ICRA), 2018*

Coarse-to-Fine Volumetric Prediction for Single-Image 3D Human Pose
**Georgios Pavlakos**, Xiaowei Zhou, Konstantinos G. Derpanis, Kostas Daniilidis
*Computer Vision and Pattern Recognition (CVPR), 2017, Spotlight Presentation*

Harvesting Multiple Views for Marker-less 3D Human Pose Annotations
**Georgios Pavlakos**, Xiaowei Zhou, Konstantinos G. Derpanis, Kostas Daniilidis
*Computer Vision and Pattern Recognition (CVPR), 2017*

6-DoF Object Pose from Semantic Keypoints
**Georgios Pavlakos**, Xiaowei Zhou, Aaron Chan, Konstantinos G. Derpanis, Kostas Daniilidis
*International Conference on Robotics and Automation, (ICRA), 2017*

On Shape Recognition and Language
Petros Maragos, Vassilis Pitsikalis, Athanasios Katsamanis, **Georgios Pavlakos**, Stavros Theodorakis
*Perspectives in Shape Analysis 2016*
Honors and Awards

Morris and Dorothy Rubinoff Award for best dissertation in the CIS department, UPenn 2021

Outstanding Reviewer CVPR 2020, ECCV 2020, ACCV 2020, ICCV 2021, 3DV 2021 2020-2021

Best Poster Award 3D HUMANS, CVPR Workshop, 2018 2018

Limmat Stiftung Award for ranking 4th among the 2014 class of ECE NTUA 2014

Papakyriakopoulos Award for excellence in Mathematics among the second year ECE NTUA students 2010

Greek State Scholarships Foundation for ranking 2nd among the second year ECE NTUA students 2010

Greek State Scholarships Foundation, for ranking 6th among the first year ECE NTUA students 2009

Invited Talks

Perceiving 3D Humans from Video Stanford University, hosted by Jiajun Wu 2022

Perceiving Humans in TV Shows CV4Metaverse Workshop, ECCV 2022 2022

Reconstructing and Tracking 3D Humans from Video University of Illinois, Urbana-Champaign 2022

University of Massachusetts, Amherst 2022

Reconstructing and Tracking People from Multiple Shots Netflix 2022

Probabilistic Modeling for Human Mesh Recovery Workshop on Human-Centric Trustworthy Computer Vision, ICCV 2021 2021

Learning to Reconstruct 3D Humans 3D Poses in the Wild Workshop, ECCV 2020 2020

University of Washington, hosted by Ira Kemelmacher-Shlizerman 2020

University of California, Berkeley, hosted by Angjoo Kanazawa 2020

Stanford University, hosted by Silvio Savarese 2020

Carnegie Mellon University, hosted by Deva Ramanan 2020

National Technical University of Athens, hosted by Petros Maragos 2018

Diverse Supervision for 3D Human Pose Estimation Google Research, hosted by Cristian Sminchisescu 2018

Max Planck Institute for Intelligent Systems, hosted by Michael Black 2018

Service and Professional Activities

Graduate Admissions Committee, UC Berkeley 2021

Mentor: BAIR Mentoring Program 2020-2022

Mentor: BAIR REU / NSF SUPERB 2022

Mentor: LatinX in AI Mentoring 2021

Area Chair: CVPR 2021, CVPR 2022 2021-2022

Area Chair: ECCV 2022 2022

Area Chair: ICCV 2023 2023
Area Chair: BMVC 2021, BMVC 2022 2021-2022
Reviewer: CVPR, ECCV, ICCV, PAMI, SIGGRAPH, ICRA, 3DV 2017-Current

Teaching Experience

CS 280: Computer Vision (Guest Lecturer) Spring 2022
taught by Prof. Jitendra Malik, Stella Yu (UC Berkeley)

CIS 580: Machine Perception (Teaching Assistant) Spring 2019
taught by Prof. Kostas Daniilidis (UPenn)

Robotics: Vision Intelligence and Machine Learning (Teaching Assistant) Summer 2017
taught by Prof. Jianbo Shi, Daniel Lee and Kostas Daniilidis (edX Online Course)

Robotics: Perception (Teaching Assistant) Spring 2016
taught by Prof. Jianbo Shi and Kostas Daniilidis (Coursera Online Course)

CIS 262, Automata, Computability and Complexity (Teaching Assistant) Spring 2016
taught by Prof. Jean Gallier (UPenn)

CIS 390: Robotics: Planning and Perception (Teaching Assistant) Fall 2015
taught by Prof. Kostas Daniilidis (UPenn)

Computer Vision (Teaching Assistant) Spring 2014
taught by Prof. Petros Maragos (NTUA)

Intro to Computer Programming (Teaching Assistant) Fall 2009
taught by Prof. Stathis Zachos, Nikolaos Papaspyrou, Aris Pagourtzis (NTUA)

Research Internships

Max Planck Institute for Intelligent Systems April - September 2018
Advisor: Michael J. Black

Facebook Reality Labs, Pittsburgh May - October 2019
Advisors: Tomas Simon, Yaser Sheikh