

INTERESTS	Geometric Modeling/Processing/Design; Digital Fabrication; Image/Video Analysis	
EDUCATION	PhD, Computer Science, ETH Zurich, Switzerland	2011 - 2015
	7 papers in geometry processing / image analysis: surface parameterization and mappings, vector field processing, image texture synthesis, computational fabrication, visual people tracking, depth perception. Thesis: <i>Algorithms for User-Guided Surface Mappings</i> .	
	MSc, Computer Science, ETH Zurich, Switzerland	2008 - 2010
	Computer vision techniques for people tracking, pose estimation, GPU-based image segmentation. Thesis: <i>Markerless Motion Capture in Uncontrolled Environments</i> (grade: 6.0/6.0).	
	Diploma, Electrical/Computer Engineering NTU Athens, Greece	2002 - 2007
	Computer vision/signal processing techniques for hand pose detection and tracking. Thesis: <i>Visual Analysis of Sign Language Videos : Image Segmentation, Motion Tracking and Feature Extraction</i> (grade: 10.0/10.0).	
DISTINCTIONS	Best Paper Award Eurographics SGP	2018
	IEEE Travel Grant Award IEEE Signal Processing Society	2017
	Best Poster Award Stanford Bio-X Interdisciplinary Initiatives Symposium	2017
	Bio-X Travel Subsidy Award Stanford Bio-X Interdisciplinary Program	2017
	PhD Dissertation Medal ETH Zurich (top 8% university-wide)	2016
	Early PostDoc. Mobility Grant Swiss National Science Foundation	2016
	Software Award Eurographics SGP for library libigl (co-contributor)	2015
	Best Paper Award Eurographics SGP	2014
	MSc Excellence Scholarship ETH Zurich	2008
	Ranked in top 5% of ECE Diploma graduates, NTU Athens, Greece	2007
Ranked 12/330 at Greek state-wide university admission exams (Grade: 19.7/20)	2002	
Outstanding state-wide middle/high school performance awards , Greece.	1999 - 2002	
PROFESSIONAL EXPERIENCE	Postdoctoral Researcher, TU Berlin, Germany	2018 - now
	Topics in discrete differential geometry.	
	Principal AI Researcher, Autodesk Inc., CA USA	2018
	Projects combining geometry and machine learning.	
	Postdoctoral Researcher, Stanford University, CA USA	2016 - 2018
	6 papers on geometry analysis and machine learning for geometry: interaction detection from scans, discrete geometric operators, object structure learning, point cloud generation using deep neural nets.	
	Postdoctoral Researcher, ETH Zurich, Switzerland	2015 - 2016
	Topics in harmonic vector field synthesis on 3D meshes.	
	Intern, Adobe Research, MA USA	2012
	1 paper in user-guided, controllable texture synthesis in images, for material editing in photographs.	
	Research Assistant, ETH Zurich, Switzerland	2011 - 2015
	Research- and teaching-oriented employment for the duration of the PhD studies.	
Intern, Disney Research Zurich, Switzerland	2010 - 2011	
Computer vision techniques for people detection and tracking for theme park applications.		
Intern, Disney Research Zurich, Switzerland	2009	
Computer vision techniques for pattern recognition in theme park attraction applications.		
Scholarship Rotation, ETH Zurich, Switzerland	2008 - 2010	
GPU-based image segmentation and pose estimation from uncontrolled user RGB videos.		
Researcher, Institute for Communication and Computing Systems (ICCS), Athens, Greece	2007 - 2008	
Computer vision techniques for video-based hand detection / tracking, sign language recognition.		

Trainee, Imaging and Electroscopy Lab, University of Sao Paulo, Brasil 2006
MRI spectrometer configurations for diffusion tensor brain imaging.

TECHNICAL SKILLS
Languages : C++/C, Matlab, Python, L^AT_EX, SSE/AVX.
Libraries : STL, Boost, Qt, Eigen, OpenGL, OpenMesh, OpenCV, CGAL, libIGL, TensorFlow
Operating Systems : Mac OS X, Windows, Linux.
IDEs/Tools : Xcode, Visual Studio, QtCreator, Illustrator, After Effects, Photoshop, svn, git.

SUPERVISION / TEACHING
Student Supervision
Kaichun Mo, Summer Internship, Autodesk 2018
Fangyin Wei, Summer Internship, Stanford University;
Panos Achlioptas, Vignesh Ganapathi-Subramanian, PhD Projects, Stanford University 2017
Kevin Wallimann, Semester Thesis, ETH Zurich 2015
Xiang Gao, Master Thesis, ETH Zurich 2014
Guest Lectures
CS468 - Machine Learning for 3D Data, Stanford University 2017
CS348a - Computer Graphics: Geometric Modeling/Processing, Stanford University 2017
Quadrangulation Tutorials, Guibas Lab, Stanford University 2017
Teaching Assistant
Shape Modeling and Geometry Processing, ETH Zurich 2012-2015
Computer Science I for Civil Engineers, ETH Zurich 2014
Computer Vision, NTU Athens 2007
Digital Signal Processing, NTU Athens 2007

PROFESSIONAL ACTIVITIES
Papers Chair : Eurographics (EG) Short Papers 2018
Papers Committee : SIGGRAPH 2019, Shape Modeling International (SMI) 2016-2018, Advances in Architectural Geometry (AAG) 2018, Pacific Graphics (PG) 2017-2018, ACM/Eurographics Symposium on Geometry Processing (SGP) 2017-2018
Reviewer: Elsevier CAD 2018, ACM SIGGRAPH 2016-2017, ACM Transactions on Graphics 2017-2019, AAG 2018, EG 2016-2017, 2019, The Visual Computer Journal 2017, SMI 2016-2018, SGP 2017-2018, Computer-Aided Design 2018, Computation 2017, Computer Graphics International 2017, Journal on Computer Graphics Techniques 2016, SIGGRAPH Asia 2016/2018, PG 2016-2018, IEEE Transactions on Visualization and Computer Graphics 2015-2017, Computers&Graphics 2014, IEEE Conference on Computer Vision and Pattern Recognition 2011

SELECTED TALKS
Xerox PARC, Palo Alto 2018
IEEE Conference on Image Processing, Beijing; ACM SIGGRAPH, Los Angeles; SIAM 2017
Conference on Industrial and Applied Geometry (GD17), Pittsburgh
ACM SIGGRAPH, Los Angeles; ACM/Eurographics SGP, Graz; Geometry Workshop, Seggau; Institute for Science and Technology, Vienna; Stanford University; Swiss Federal Technical University, Lausanne; Max Planck Institute, Tuebingen 2015
ACM/Eurographics SGP, Cardiff 2014
ACM SIGGRAPH, Los Angeles 2013
International Gesture Workshop, Bielefeld 2009

LANGUAGES Greek (*native*), English (*fluent*), German - (*intermediate*), French (*beginner*).

REFERENCES/ PUBLICATIONS See attached document.