

CONTACT INFORMATION	33 Oxford Street Maxwell Dworkin 140 Cambridge, MA 02138, USA	etheodosis@g.harvard.com github.com/manosth manosth.github.io
RESEARCH INTERESTS	Compressive sensing, sparsity and sparse representations, theoretical machine learning, probability, tropical algebra and geometry, algebraic geometry, graphical models	
EDUCATION	Harvard University <i>PhD in Computer Science</i> <ul style="list-style-type: none"> GPA: 3.835/4.00 Related Courses: Probability I, Sparsity in Signal Processing, Discrete-Time Signal Processing, Big Data Systems Advisor: Prof. Demba Ba 	Sep 2019 - May 2024
	National Technical University of Athens <i>BSc & MSc in Electrical and Computer Engineering</i> (5-year joint degree; 300 ECTS) <ul style="list-style-type: none"> GPA: 8.56/10 (top 10%) Major: Computer Science Related Courses: Pattern Recognition, Natural Language Processing, Digital Signal Processing, Computer Vision, Algorithms and Complexity, Compilers Thesis: “<i>Tropical Analysis of Algorithms on Graphs</i>” Advisor: Prof. Petros Maragos 	Oct 2012 - Oct 2018
RESEARCH EXPERIENCE	Harvard University <i>Computation, Representations, and Inference in Signal Processing Lab (CRISP)</i> Research Assistant	Sep 2019 - Present
	National Technical University of Athens <i>Computer Vision, Speech Communication, and Signal Processing Lab (CVSP)</i> Research Assistant	Feb 2017 - Jun 2019
PUBLICATIONS	<ol style="list-style-type: none"> MARAGOS, P., AND THEODOSIS, E. “Multivariate tropical regression and piecewise-linear surface fitting”. In <i>International Conference on Acoustics, Speech, and Signal Processing</i> (2020) [paper] RETSINAS, G., FILNTISIS, P., EFTHYMIU, N., THEODOSIS, E., ZLATINTSI, A., AND MARAGOS, P. “Person identification using deep convolutional neural networks on short-term signals from wearable sensors”. In <i>International Conference on Acoustics, Speech, and Signal Processing</i> (2020) [paper] THEODOSIS, E., AND MARAGOS, P. “Tropical modeling of weighted transducer algorithms on graphs”. In <i>International Conference on Acoustics, Speech, and Signal Processing</i> (2019) [paper] [poster] THEODOSIS, E., AND MARAGOS, P. “Analysis of the Viterbi algorithm using tropical algebra and geometry”. In <i>International Workshop on Signal Processing Advances in Wireless Communications</i> (2018) [paper] [poster] 	

HONORS AND AWARDS	Harvard PhD Fellowship	Sep 2019
	Awarded to first year students.	
	IEEE Xtreme	Oct 2017
	Ranked 161st amongst over 4000 teams (top 5%).	
	Codechef SnackDown	Jul 2017
	Ranked 615th amongst over 17000 teams (top 5%).	
	Google CodeJam	Apr 2017
PROJECTS	Ranked in the top 3000 amongst over 65000 people (top 5%).	
	Google HashCode	Feb 2017
	Ranked 170th amongst over 3500 teams (top 5%).	
	“The Great Moment of Education” Eurobank EFG Scholarship	Oct 2012
	Achieved the highest score at the national exams amongst students of Nea Genia Ziridis.	
	SIP VoIP Application	Fall 2016
	A VoIP application based on the Session Initiation Protocol. Developed jointly with 3 other students for a course on software engineering.	
ONLINE LEARNING	[code]	
	Prescriptions R-X Application	Fall 2016
	A database in MariaDB along with a user interface in HTML/CSS for a fictitious company. Developed for a course on database management systems.	
	[code]	
	Edsger Compiler	Summer 2016
	A compiler for a fictitious C-like language called Edsger. Developed jointly with one other student for a course on compilers.	
	[code]	
PROGRAMMING SKILLS	Greeklsh to Greek Translator	Fall 2015
	A translator and spellchecker application that converts text from greeklsh (Greek using Latin characters) to Greek. Developed for a course on natural language processing.	
	[code]	
	Coursera, 22 courses	Feb 2015 - Dec 2018
	[1] Machine Learning Specialization, <i>University of Washington</i> (4 courses)	
	[2] Fundamentals of Computing Specialization, <i>Rice University</i> (7 courses)	
	[3] Data Science at Scale Specialization, <i>University of Washington</i> (2 courses)	
LANGUAGES	[4] Machine Learning, <i>Stanford University</i>	
	[5] Neural Networks and Deep Learning, <i>deeplearning.ai</i>	
	[6] Intro to RecSys: Non-Personalized and Content-Based, <i>University of Minnesota</i>	
	[7] Bayesian Statistics: From Concept to Data Analysis, <i>UC Santa Cruz</i>	
	[complete list] .	
	Languages: Python, C, MATLAB, HTML/CSS	
	Other: \LaTeX , Unix, Git	
PERSONAL INTERESTS	Greek (<i>Native</i>), English (<i>Fluent</i>), French (<i>Basic</i>)	
	Cinema, Soccer, Hiking	