

Dimitrios S. Mallis

MACHINE LEARNING - COMPUTER VISION ENGINEER · SOFTWARE ENGINEER

03-02-1992

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Whenever you are asked if you can do a job, tell 'em, "Certainly I can!" Then get busy and find out how to do it. – Theodore Roosevelt

Experience

Computer Vision Laboratory, University of Nottingham.

Nottingham, U.K

P.H.D RESEARCHER

Feb. 2018 - present

- Research focuses on Computer Vision and Machine Learning
- Awarded fully funded P.h.D scholarship for the whole duration of studies.
- Special interest in applications for the Agricultural Industry.

Singular Logic.

Kifisia, Greece

JUNIOR SOFTWARE ENGINEER

Oct. 2016 - present

- Designing custom solution, applications and services for the enterprise.
- Main focus is in server side applications, middle wares and APIs, using .NET related technologies.

Scientific Publications

Evolving Systems Interdisciplinary Journal for Advanced Science and Technology

Greece

CONVOLUTIONAL AUDIO SOURCE SEPARATION USING ROBUST ICA AND AN INTELLIGENT EVOLVING PERMUTATION AMBIGUITY SOLUTION

Pending

- Mallis, D., Mitianoudis, N., Sgouros, T., Currently Accepted and Pending Publication.

Artificial Intelligence Applications and Innovations: 12th IFIP WG 12.5 International Conference and Workshops

Thessaloniki, Greece

CONVOLUTIONAL AUDIO SOURCE SEPARATION USING ROBUST ICA AND REDUCED LIKELIHOOD RATIO JUMP

Sept. 16-18, 2016

- Mallis, D., Mitianoudis, N., Sgouros, T. Proceedings pages: 230-241, Springer International Publishing, doi: 10.1007/978-3-319-44944-920

19th Panhellenic Conference on Informatics

Athens, Greece

SENTIMENT ANALYSIS OF GREEK TWEETS AND HASHTAGS USING A SENTIMENT LEXICON

Oct. 2015

- Kalamatianos, G., Mallis, D., Symeonidis, S., Arampatzis, A. Proceedings PCI '15. Pages 63-68 ACM New York, NY, USA ©2015 table of contents ISBN: 978-1-4503-3551-5 doi>10.1145/2801948.2802010.

8th Electrical and Computer Engineering Student Conference 2015

Patra, Greece

SENTIMENT ANALYSIS OF GREEK TWEETS AND HASHTAGS USING A SENTIMENT LEXICON

Apr. 2015

- Mallis, D., Kalamatianos, G., Symeonidis, S., Arampatzis, A., Proceedings in Greek link: <http://hashtag.nonrelevant.net/ecescon2015.html>

Education

Democritus University of Thrace (DUTH)

Xanthi, Greece

DIPLOMA (EQUIVALENT TO B.S AND M.S) IN ELECTRICAL AND COMPUTER ENGINEERING.

Oct. 2010 - Nov. 2015

- Grade : 8.07/10
- 5th greater mark at his graduation
- 5 years of studies
- Specialization area: Electronic and Information Systems
- Diploma thesis title: "Sound Source Separation in Real Room Environments"

Awards

University of Nottingham - The Douglas Bomford Trust

Nottingham, U.K

FULLY FUNDED 3 YEAR P.H.D SCHOLARSHIP

February 2018

Skills and Strengths

MACHINE LEARNING

CNN, Deep Learning, Classical ML, CUDA, Linear Algebra, Probability Theory, Python, Pytorch, Numpy

.NET

C#, ASP.NET Web Api 2, ASP.NET Core, LINQ, Ninject, TFS, ADO.NET, Async Programming, CLR.

SOFTWARE DESIGN AND ARCHITECTURE

Object Oriented Design, SOLID Principles, Enterprise Application Architecture, Design Pattern, Algorithms and Data Structures, T-SQL and Microsoft SQL Server, Rest API Design and Documentation, Refactoring.

GENERAL PROGRAMMING SKILLS

Json and Json.Net, XML, Http, Git, Javascript, HTML5, AJAX, networking.

GENERAL ACADEMIC SKILLS

Signal processing, Pattern Recognition, Information Retrieval, Sentiment Analysis, Hadoop, Map Reduce, Latex, Arithmetic - Numerical Analysis, Probability theory.

STRENGTHS

Attitude for constant improvement, Ability to break problems into small modules, Always seeks to produce software of high quality, Able to do independent work, Research experience, Able Communicator, Effort towards deep understanding of underlined principles in technology and methodologies, Values Productivity.

Other Relevant Experience

ATEKE Construction S.A.

Athens, Greece

SUMMER INTERN

Jun. 2010 - Sept 2015

- Technical Support, network configuration and maintenance.
- Construction of various script solutions still in use for the efficiency of everyday office tasks.

Military Service

Athens, Greece

ANALYST AND COMPUTER PROGRAMMER

Feb. 2016 - Apr 2016

- Network and Server Administration tasks for the camps internal network.
- Servers Troubleshooting, Create a backup, System Updates, Implement the policies, Password and identity management
- Desktops, hardware/peripherals configuration

Hobbies

Marketing, Entrepreneurship, Crossfit, Photography, Photoshop, Audiobooks, Motorcycling