

Stavros Niafas

Athens, GR - 19th May 1991

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Stavros Niafas received his BSc degree in Informatics Engineering from the Department of Informatics Engineering of University of Central Greece in 2014. He also holds an Msc in Image Synthesis & Multimedia and an Msc in Data Science. His bachelor and MSc theses lay in the areas of digital image processing, computer vision, information retrieval, ML and active learning. His research interests expand in the domains of Machine/Deep learning, MLOps, Data Centric AI and Computer Vision as well. He is also actively engaged in systems engineering, FLOSS & photography.

Working Experience

Convert Group

ML ENGINEER

November 2020 - Now

- Develop and maintain ML powered services for image similarity and OCR
- Automate ML lifecycle using MLOps
- Perform evaluation and reporting analyses
- Present engineering related talks

Deepmed I/O

SYSTEMS ENGINEER

March 2019 - May 2019

- Built, configured and maintained Deep Learning & Network Infrastructure
- Tested & deployed company's projects
- Produced technical documentation and guidelines for reference and reporting

AI ENGINEER

September 2018 - February 2019

- Participated and involved in company's outsourced project
- Implemented, explored, evaluated multiple & combined dataset schemes
- Implemented & improved image processing, machine & deep learning algorithms and models

Nexus Computers

COMPUTER TECHNICIAN - PRACTICAL TRAINING

April 2013 - May 2014

- Built, repaired and maintained computer hardware
- Setup and configured hardware and software
- Customer support (phone, onsite)

Education

NCSR Demokritos - University of Peloponnese

MSc DATA SCIENCE

2019 - 2021

- Thesis Title: *Photography style analysis using Machine Learning* - Supervisors: Theodoros Giannakopoulos, Prof. Evaggelos Spyrou

University of West Attica - Université de Limoges

MSc INFORMATICS, IMAGE SYNTHESIS & GRAPHICS DESIGN INTERNET & MULTIMEDIA TECHNOLOGY, GPA: 13.96/20

2014 - 2016

- Thesis Title: *Image Retrieval platform for building recognition in urban environments* - Supervisor: Prof. Anastasios Kesidis

University of Thessaly

BSc. INFORMATICS ENGINEER, GPA: 7.33

2009 - 2014

- Thesis Title: *Evaluation and development of Feature Extraction Methods in WCE Video* - Supervisor: Prof. Evaggelos Spyrou

Skills

Development	Python, Matlab, R, PHP, HTML/CSS, C, SQL, \LaTeX
Tools & Technologies	Numpy, Pandas, Scikit-Learn, Keras, Tensorflow, MLFlow, OpenCV, Jupyter, Git, Docker, Google Cloud Platform
Operating Systems	Unix, Linux (Debian based), Windows
Other	LibreOffice, MS-Office, Scrum
Soft Skills	Team-working, Self Motivated, Patience, Flexibility, Active Listening, Ownership, Knowledge Sharing

Conferences

FOSSCOMM 2021

[Online](#)

Nov. 2021

- Real-world MLOps w/ MLFlow
- MLOps in practice w/ MLFlow (workshop)

FOSSCOMM 2020

[Online](#)

Nov. 2020

- Photography Style Analysis using Machine Learning

Awards

Granted Visitor with team EA/AAK, FOSDEM 2017, Event organised by volunteers to promote the widespread use of free and open source software

Best contribution, Units of Excellence EA/AAK Awards - Money award for best contributed project.

Languages

English, English Speaking Board (C2)

German, Goethe Institut Athen - Zertifikat Deutsch (B1)

Publications

- [1] Spyrou, E., Iakovidis, D. K., Niafas, S., & Koulaouzidis, A. (2015). Comparative assessment of feature extraction methods for visual odometry in wireless capsule endoscopy. *Computers in biology and medicine*, 65, 297-307.
- [2] Mitsianis, E., Spyrou, E., Giannakopoulos, T., Niafas, S., & Perantonis, S. (2018, July). Deep learned features for image retrieval. In *Proceedings of the 10th Hellenic Conference on Artificial Intelligence* (pp. 1-4).