Stavros Niafas

Stavros Niafas received his BSc degree in Informatics Engineering from the Department of Informatics Engineering, University of Thessaly in 2014. He also holds an Msc from a postgraduate joint program of the Department of Informatics Engineering, University of West Attica and the Department of Informatics of the University of Limoges in 2016. Both his bachelor and MSc theses lied in the areas of digital image processing, computer vision and information retrieval. From October 2018 to February 2019, he worked as Artificial Intelligence Engineer in DeepMed IO - a MedTech company based in the UK which develops a system for detecting metastatic tumor regions on lymph nodes, on whole slide images. Besides the main goal, the company outsourced a side project in which he participated and involved as an AI engineer. From March till May 2019 his role changed to systems engineer.

In October 2019 he enrolled in a Msc Data Science program conducted by the NCSR Demokritos and the University of Peloponnese.

Personal Information

Place/Date of Birth   Athens - 19th May 1991
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Working Experience

DeepMed I/O

AI Engineer (September 2018 - February 2019)
– Participated and involved in company's outsourced project.
– Implement & improve image processing, machine & deep learning algorithms and models.
– Performance Evaluation, Metrics (AUC, Specificity, Sensitive, Accuracy).
– Produce quality plots & reports on planned meetings.

Systems Engineer (March 2019 - May 2019)
– Build, setup and maintain Deep Learning & Network Infrastructure.
– Setup endpoints for IP/IPX based LAN.
– OS and software stack setup.
– Test & deploy company's projects.
– Create technical documentation and guidelines for reference and reporting.
– Monitoring servers using BMC.
– Backup management & disaster recovery.
– Troubleshooting hardware and software problems.

Nexus Computers, *nexus-service.gr*
Computer Technician (April 2013 - May 2014)
– Build, repair and maintenance of computer hardware.
– Setup and configure hardware and software.
– Troubleshooting failures.
– Customer support (phone, onsite).

Skills

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

Education	**NCSR Demokritos - University of Peloponnese** MSc in Data Science, 2019-2020 **TEI of Athens - Université de Limoges** MSc. Informatics Engineer, 2016 *Informatics, Image synthesis & Graphics Design* *Internet & Multimedia Technology*, GPA: 13.96/20 Thesis Title: *Image Retrieval platform for building recognition in urban environments* Supervisor: Professor Anastasios Kesidis **TEI of Central Greece** BSc. Informatics Engineer, 2014 *School of Technological Applications* , GPA:7.33 Thesis Title: *Evaluation and development of Feature Extraction Methods in WCE Video* Supervisor: Dr. Evaggelos Spyrou
Seminars	**Summer school of National Centre for Scientific Research "Demokritos"**, 2014 **Units of Excellence ΕΛ/ΛΑΚ**, http://eellak.gr Educational Circle: IoT (Internet Of Things) with Arduino II – event driven programming Backend-logic Team ⟲Github Repo **Units of Excellence ΕΛ/ΛΑΚ** Summer School Programming Arduino controlling Diyiot-car Project & Development of web interface for event-driven programming ⟲Github Repo **Units of Excellence ΕΛ/ΛΑΚ** Summer School: Development of a wearable arduino lillypad based system for sport activities. ComputerVision team ⟲Github Repo
Awards and Fellowships	**FOSDEM 2017, Brussels** Granted Visitor with team ΕΛ/ΛΑΚ *Event organised by volunteers to promote the widespread use of free* *and open source software* **Units of Excellence FOSS Awards** Educational Circle: Internet of Things *Money award for best contributed project.*
Languages	**English:** English Speaking Board (C2) **German:** Goethe Institut Athen - Zertifikat Deutsch (B1)
Journals	E. Spyrou, D. Iakovidis, **S. Niafas** and A. Koulaouzidis *Comparative Assessment of Feature Extraction Methods for Visual Odometry in Wireless* *Capsule Endoscopy* Computers in Biology and Medicine, Elsevier, **DOI**
Conferences	E. Mitsianis, E. Spyrou, T. Giannakopoulos, **S. Niafas** and S. Perantonis *Deep learned features for image retrieval.* In Proc. of Hellenic Conference on Artificial Intelligence (SETN), **2018**