

Stavros Niafas

Stavros Niafas received his BSc degree in Computer Engineering from the Department of Computer Engineering, TEI of Central Greece (currently University of Thessaly), Lamia, in 2014. He also holds an Msc from a postgraduate joint program of the Department of Informatics Engineering, University of West Attica (former TEI of Athens) 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 was working 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. His main domain of interest lies (but not limited to) in the broader area of machine learning. Moreover he is enthusiast with data science, analytics & data visualizations.

Personal Information

Place/Date of Birth
✉ sniafas@gmail.com
☎ +30 6945745424

Athens - 19th May 1991
🔗 <https://sniafas.github.io>
📄 sniafas, 🏠 stavros.niafas, 📧 sniafas

Working Experience

DeepMed I/O

AI Engineer (September 2018 - February 2019)

- Participated and involved in company's outsourced project.
- Constructed a dataset of handcrafted features based on feature extraction techniques.
- Examined, implemented, evaluated multiple & combined dataset schemes.
- Deal with classification and curse of dimensionality problems.
- 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 and maintain Deep Learning & Network Infrastructure.
- Test & deploy company's projects.
- Create technical documentation for reference and reporting.
- Backup Management & Disaster Recovery.
- Troubleshooting hardware and software problems.

Nexus Computers, *nexus-service.gr*

Computer Technician (April 2013 - April 2014)

Skills




Computing: Python, Matlab, R, PHP, HTML/CSS, C, MySQL, MongoDB

Tools & Technologies : Numpy, Pandas, Scikit-Learn, Docker, Keras, Tensorflow, OpenCV, Jupyter, Git, Scrum, Google Cloud Platform, L^AT_EX

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 <i>Informatics, Image synthesis & Graphics Design</i> <i>Internet & Multimedia Technology</i> , GPA: 13.96/20 Thesis Title: <i>Image Retrieval platform for building recognition in urban environments</i> http://retbul.sniafas.eu Supervisor: Professor Anastasios Kesidis
	TEI of Central Greece BSc. Informatics Engineer, 2014 <i>School of Technological Applications</i> , GPA:7.33 Thesis Title: <i>Evaluation and development of Feature Extraction Methods in WCE Video</i> 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 <i>Event organised by volunteers to promote the widespread use of free and open source software</i>
	Units of Excellence FOSS Awards Educational Circle: Internet of Things <i>Money award for best contributed project.</i>
Languages	English: English Speaking Board (C2) German: Goethe Institut Athen - Zertifikat Deutsch (B1)
Journals	E. Spyrou, D. Iakovidis, S. Niafas and A. Koulaouzidis <i>Comparative Assessment of Feature Extraction Methods for Visual Odometry in Wireless Capsule Endoscopy</i> Computers in Biology and Medicine, Elsevier, DOI
Conferences	E. Mitsianis, E. Spyrou, T. Giannakopoulos, S. Niafas and S. Perantonis <i>Deep learned features for image retrieval.</i> In Proc. of Hellenic Conference on Artificial Intelligence (SETN), 2018