

# Stavros Niafas

---

## Personal Data

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 - Today)

- Test & deploy company's projects.
- Create technical documentation for reference and reporting.
- Build and maintain Deep Learning & Network Infrastructure.
- Linux server management, PC's, Router, Switch, NAS.
- Design & Implement best practices for high throughput networking.
- Installation and configuration workstation for IP/IPX based LAN.
- Monitoring servers using BMC.
- 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<sup>A</sup>T<sub>E</sub>X

**Networks :** Linux Servers, OSI Model, TCP/IP, DNS, Bridging, Routers, Switches, NAS, Subnetting, LACP, LAN, VLAN, Trunking

**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

### TEI of Athens - Université de Limoges

MSc. Informatics Engineer, 2016

*Informatics, Image synthesis & Graphics Design*

*Internet & Multimedia Technology*

Thesis Title: *Image Retrieval platform for building recognition in urban environments*

<http://retbul.sniafas.eu>

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. Evangelos Spyrou

Seminars	<p><b>Summer school of National Centre for Scientific Research "Demokritos", 2014</b></p> <p><b>Units of Excellence EA/AAK</b>, <a href="http://eellak.gr">http://eellak.gr</a> Educational Circle: IoT</p> <p>(Internet Of Things) with Arduino II – event driven programming Backend-logic Team 🔗Github Repo</p> <p><b>Units of Excellence EA/AAK</b> Summer School Programming Arduino controlling Diyiot-car Project &amp; Development of web interface for event-driven programming 🔗Github Repo</p> <p><b>Units of Excellence EA/AAK</b> Summer School: Development of a wearable arduino lillypad based system for sport activities. ComputerVision team 🔗Github Repo</p>
Awards and Fellowships	<p><b>FOSDEM 2017, Brussels</b> Granted Visitor with team EA/AAK <i>Event organised by volunteers to promote the widespread use of free and open source software</i></p> <p><b>Units of Excellence FOSS Awards</b> Educational Circle: Internet of Things <i>Money award for best contributed project.</i></p>
Languages	<p><b>English:</b> English Speaking Board (C2) <b>German:</b> Goethe Institut Athen - Zertifikat Deutsch (B1)</p>
Journals	<p>E. Spyrou, D. Iakovidis, <b>S. Niafas</b> and A. Koulaouzidis <i>Comparative Assessment of Feature Extraction Methods for Visual Odometry in Wireless Capsule Endoscopy</i> Computers in Biology and Medicine, Elsevier, <b>DOI</b></p>
Conferences	<p>E. Mitsianis, E. Spyrou, T. Giannakopoulos, <b>S. Niafas</b> and S. Perantonis <i>Deep learned features for image retrieval.</i> In Proc. of Hellenic Conference on Artificial Intelligence (SETN), <b>2018</b></p>