

Stavros Niafas

Personal Data

Place/Date of Birth
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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.
- 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

Libraries & Frameworks: Scikit-Learn, Keras, Tensorflow, Pandas, Numpy, OpenCV, Laravel

Tools : Linux, Docker, Jupyter, GCP, Git, Scrum

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, L^AT_EX, MS-Office,

Soft Skills: Team-working, Knowledge Sharing, Patience

Flexibility, Active Listening, Ownership, Self Motivated

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>Summer school of National Centre for Scientific Research "Demokritos", 2014</p> <p>Units of Excellence EA/AAK, http://eellak.gr Educational Circle: IoT</p> <p>(Internet Of Things) with Arduino II – event driven programming Backend-logic Team 🔗Github Repo</p> <p>Units of Excellence EA/AAK Summer School Programming Arduino controlling Diyiot-car Project & Development of web interface for event-driven programming 🔗Github Repo</p> <p>Units of Excellence EA/AAK Summer School: Development of a wearable arduino lillypad based system for sport activities. ComputerVision team 🔗Github Repo</p>
Awards and Fellowships	<p>FOSDEM 2017, Brussels 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>Units of Excellence FOSS Awards Educational Circle: Internet of Things <i>Money award for best contributed project.</i></p>
Languages	<p>English: English Speaking Board (C2) German: Goethe Institut Athen - Zertifikat Deutsch (B1)</p>
Journals	<p>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</p>
Conferences	<p>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</p>