

# Nikos Tsiknakis

## Curriculum Vitæ



📅 17<sup>th</sup> April, 1996  
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## 📖 Education

- Sep 2014 - Jul 2019** **BEng - MEng in Electrical and Computer Engineering**  
UNIVERSITY OF PATRAS  
5 years Integrated Masters 300 ECTS degree - Graduated 3rd in my class with a grade of 8.3/10  
Thesis: STEREO VISION OF DUAL VIEW METEOSAT IMAGES ([link](#))  
Supervisor: Prof. Athanassios Skodras
- 2010 - 2014** **Secondary Education**  
2<sup>ND</sup> HIGH SCHOOL (Heraklion, Greece)  
Graduated with honours and a grade of 19.0/20.0  
In 2014 I participated at the National University Entrance Exams in which I obtained a GPA: 18.753/20.000

## 👤 Experience

- Sep 2019 -** **Software Engineer**  
COMPUTATIONAL BIOMEDICINE LABORATORY ICS FORTH (Heraklion, Greece)
- Jul 2018 - Sep 2018** **Intern**  
COMPUTATIONAL BIOMEDICINE LABORATORY ICS FORTH (Heraklion, Greece)

## 🏛 Seminars & Workshops

- 28-31 Aug 2018** **Drone School & Workshops: Deep learning and Computer vision for drone imaging and cinematography**  
ICARUS GROUP CSD AUTH  
<http://icarus.csd.auth.gr/activities/droneschool/>
- 12-14 Feb 2018** **MEDDAYS 2018**  
SOPHIA ANTIPOLIS  
<http://leat.unice.fr/MEDDAYS2018/#page=home>
- 18-20 Oct 2017** **Autumn School Aeroworks**  
UNIVERSITY OF PATRAS  
<http://www.aeroworks2020.eu/school>
- 10-15 Jul 2016** **1st Interdisciplinary Summer School on Privacy (ISP 2016)**  
NIJMEGEN, NETHERLANDS  
<https://isp.cs.ru.nl/2016/>

## Prizes and Awards

**Feb 2014** Best 1st year's project, Introduction to Programming Course  
ECE UNIVERSITY OF PATRAS

## Publications in International Conferences

1. C. Spanakis, E. Mathioudakis, N. Kampanis, N. Tsiknakis, K. Marias, Renyi divergence and non-deterministic subsampling in Rigid Image Registration, 2019 IEEE International Conference on Imaging Systems and Techniques (IST) (accepted)

## Certificates

**Oct 2019** Deep Learning Specialization  
COURSERA  
<https://www.coursera.org/account/accomplishments/specialization/2X3DAMJNRWQ4>

**Oct 2019** Sequence Models  
COURSERA  
<https://www.coursera.org/account/accomplishments/verify/KCLX2DCF9J89>

**Sep 2019** Convolutional Neural Networks  
COURSERA  
<https://www.coursera.org/account/accomplishments/verify/4GRNSJPW5KW9>

**Sep 2019** Structuring Machine Learning Projects  
COURSERA  
<https://www.coursera.org/account/accomplishments/verify/EGYB8W3WLY28>

**Sep 2019** Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization  
COURSERA  
<https://www.coursera.org/account/accomplishments/verify/FPQQ6YWKQK7P>

**Sep 2019** Neural Networks and Deep Learning  
COURSERA  
<https://www.coursera.org/account/accomplishments/verify/P7AE9CDMRBEE>

## SKILLS

**Programming Skills** Advanced  
C, PYTHON, JAVA, MATLAB, SQL, HTML, CSS, JAVASCRIPT

Very Good  
C++

Good  
PROLOG

**Tools,** TENSORFLOW & KERAS FRAMEWORKS  
**Frameworks &** DJANGO, NODE.JS, SQL (MYSQL), NoSQL (MONGODB)  
**Technologies** UNIX/LINUX OS AND GIT VERSION CONTROL  
TEXAS INSTRUMENTS DSK6713 DIGITAL SIGNAL PROCESSOR  
MICROSOFT OFFICE & LATEX  
ADOBE LIGHTROOM  
AUTOCAD

## Major University Projects

**Oct 2017 – Feb 2018** [IEEE Signal Processing Society SPCup2018](#)  
5 MEMBERS GROUP - ECE UNIVERSITY OF PATRAS  
[https://piazza.com/ieee\\_sps/other/spcup2018/home](https://piazza.com/ieee_sps/other/spcup2018/home)

**2014-2019** [IEEE Xtreme and IEEE Activities](#)  
ECE UNIVERSITY OF PATRAS

## Memberships

**2016 - 2019** IEEE and IEEE Signal Processing Society Student Member

## Languages

[Greek](#) Mother tongue  
[English](#) Excellent (*C2 Certificate of Proficiency University of Michigan*)  
[German](#) Good (*B1 Goethe Institute*)