

# Nikos Tsiknakis

MEng · Research Software Engineer



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

Sep 2014 - Jul 2019 MEng in Electrical and Computer Engineering

UNIVERSITY OF PATRAS

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> GENERAL LYKEION (Heraklion, Greece)

Graduated with honors and a grade of 19.0/20.0

National University Entrance Exams Overall Score: 18.753/20.000

## 💼 Experience

Sep 2019 - Software Engineer

COMPUTATIONAL BIOMEDICINE LABORATORY ICS FORTH (Heraklion, Greece)

EU H2020 Projects:

1. InSilc (<https://insilc.eu/>)
2. SeeFar (<https://www.see-far.eu/>)

Jul - Sep 2018 Intern

COMPUTATIONAL BIOMEDICINE LABORATORY ICS FORTH (Heraklion, Greece)

## 📖 Publications in International Conferences

- [1] C. Spanakis, E. Mathioudakis, N. Kampanis, **N. Tsiknakis**, and K. Marias, "Renyi divergence and non-deterministic subsampling in rigid image registration," in *IEEE International Conference on Imaging Systems and Techniques (IST)*, Abu Dhabi, United Arab Emirates, Dec. 2019.

## 🔬 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/>
- 22-24 Apr 2016** 9 th Panhellenic Conference of ECE Students  
CHANIA, GREECE  
<https://sfhmy9.sfhmy.gr/>

## Prizes and Awards

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

## Certificates

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- 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

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

Very Good  
C++

Good  
PROLOG

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

## Major University Projects

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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

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2016 - 2019 IEEE and IEEE Signal Processing Society Student Member

## Languages

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