

PERSONAL INFORMATION


Thanassis Drivas

📍 13, Kalymnou, Athens, 17122, Greece

☎ 2109315379 📠 6942910772

✉ thanasisdrivas@gmail.com

💬 [skype](#) thanasisdrivas

Sex Male | Date of birth 25/10/1984 | Nationality Greek

WORK EXPERIENCE

2017 – today

Software Engineer – Earth Observation Systems Engineer

National Observatory of Athens, V. Paulou & I. Metaxa, 15236 Penteli, Greece, www.noa.gr

- Developing and deploying geospatial applications, including Machine Learning, geoprocessing, vector, map, and imagery services along with building APIs using Python – Django - Postgresql – PostGIS - GeoServer - Spark

Business or sector Research and development institution in space applications and remote sensing

2020 – today

Computer Science Teacher - Web Developer

The American College of Greece, Agia Paraskevi, Greece, www.acg.edu

- Teaching Computer Science, Programming with Python, STEM, Robotics

Business or sector Education

2016 – 2020

Computer Science Teacher - Web Developer

Private High School Politropi Armonia, Sokratous 65, 12462 Chaidari, Greece, www.politropiarmonia.gr

- Teaching Computer Science, Programming with Python, STEM, Robotics
- Developing web applications and e-learning platforms using PHP/MySQL and JS.

Business or sector Education

2011 – today

Computer Science Teacher – Career Advisor

Karakaxis, Theomitoros 60, 17342 Alimos, Greece, www.karakaxis.gr

- Teaching Programming
- Guiding students on career development, exploration and placement procedures, assisting students in career placement activities and attending industries, universities and relevant events.

Business or sector Education

2018

Coding Bootcamp Trainer

AFDEmp Coding Bootcamp - Alliance For Digital Employability, Panepistimiou 39, 10564, Athens, Greece, www.afdemp.org/

- Teaching Java, SQL and Python

Business or sector Education

- 2015 – 2016 **Computer Science Teacher**
 Sichroni Paideia, P. Mela 29, 16233, Kareas Greece, <https://esp.edu.gr/>
 ▪ Teaching Computer Science and Programming
 Business or sector Education
- 2015 **Computer Science Professor**
 Private College City Unity College, Thiseos 15, 10562, Athens, Greece <http://www.cityu.gr>
 ▪ Teaching PHP/Mysql and Javascript
 Business or sector Education
- 2014 **Computer Science Teacher**
 Private Institute of Vocational Training Xini, Patission 31, 10564, Athens, Greece <http://iek-xini.com/>
 ▪ Teaching Java
 Business or sector Education
- 2009-2014 **Web Developer**
 Designistas, Koumoundouru 77, 18233, A.I. Renti, <http://www.designistas.gr/>
 ▪ Designing, developing, testing and deploying web applications using Javascript. JQuery, JSP and PHP/MySQL
 Business or sector Graphic Design
- 2008-2012 **Computer Science Teacher**
 Cram School Neo, Thoukididou 38, 17455, Alimos, Greece, <https://neo.edu.gr/>
 ▪ Teaching Programming
 Business or sector Education
- 2007-2008 **Software Developer**
 SaraLee Hellas, Kifisou Avenue 100, 12241, Aigaleo, Greece.
 ▪ Evaluating user needs and system functionality and developing an internal information system using Java, SQL and JSP.
 Business or sector Consumer-goods

EDUCATION AND TRAINING

- 2015-2017 **Master's Degree in Space Science, Technology and Applications (grade 9.1/10)** MSc
 National Observatory of Athens - Computer Science Department of University of Peloponnese
 ▪ Thesis: An automated object-based crop identification algorithm for the monitoring of CAP Cross-Compliance obligations using Machine Learning and Python
 ▪ Sample Courses: Machine Learning, Big Data, Space Applications. Advance Space Application, Remote Sensing, Space Physics
- 2002-2007 **Bachelor of Science in Computer Science (grade 6.3/10)**
 Computer Science Department of Economics and Business University of Athens

- Sample Courses: Programming with Java, Programming with C++, Computation Theory, Advanced Maths, Database Design, Software Engineering, Digital Design, IS Design, IS Security, Data Mining, Pattern Recognition

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C2
	Advanced in English, Cambridge University				
German	B2	B2	B2	B2	B2
	Kleines Deutsches Sprachdiplom, Goethe Institut				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ Good communication skills gained through teaching students, coaching teams for national computer science contents and working as a developer in international projects.

Organisational / managerial skills ▪ Excellent organisation and time management skills
 ▪ Ability to prioritise tasks
 ▪ Strong sense of responsibility
 ▪ Flexible team player with the ability to analyse, plan, execute and report work effectively and with minimal supervision
 ▪ Willingness to learn and adapt

Job-related skills ▪ Programming languages: Java, C/C++, Python, R, MATLAB, PHP, JavaScript, Ajax, XML, JSP
 ▪ Shell Scripting
 ▪ Familiarity with Machine Learning and its libraries (e.g. scikit-learn, TensorFlow, PyTorch)
 ▪ Frameworks: Django / GeoDjango
 ▪ Operating systems: Windows (all versions), MS-DOS, UNIX, Linux
 ▪ Databases: PostgreSQL, MySQL, SQL
 ▪ Analysis methodologies: UP/UML
 ▪ Tools: PyCharm, Anaconda, Jupiter, Visual Studio, Eclipse, NetBeans, MS Visio, MS Office, OpenOffice.org, Scilab, Weka, Rapid Miner, SQL Server, PgAdmin
 ▪ GIS: QGIS, ArcGIS
 ▪ Web Map Servers: GeoServer, MapServer
 ▪ CMS: Joomla, WordPress
 ▪ Other: Docker, Restful API
 ▪ Strong analytical, problem solving and critical thinking skills.

- Other skills
- Enjoy all sports particularly football and running
 - Love to travel and experience different cultures

Driving licence Category B

ADDITIONAL INFORMATION

- Conferences** *Using computational thinking as a tool in every classroom*, Thanassis Drivas, 2nd educational conference of Politropi Armonia, Delfoi, 9-11 March 2018,
- Seminars** *Teaching with Robotics and Arduino*, European Space Agency, Redu. Belgium, December 2018
- Membership** Member of Union of Greek Computer Scientists
- Projects** Project: RECAP H2020 reinforcing CAP: Personalised public services in support of the implementation of the Common Agricultural Policy, technical implementation of the platforms' remote sensing component (2016-2018)
- Publications** Project: EOPEN H2020 opEn interOperable Platform for unified access and analysis of Earth observation data, earth observation data acquisition, earth observation algorithms for the food security monitoring in South Korea (2017- 2019)
- Scalable Distributed Random Forest Classification for Rice Mapping, Sitokonstantinou, Vasileios; Drivas, Thanassis; Koukos, Alkiviadis; Papoutsis, Ioannis; Kontoes, Charalampos, February 11, 2020
- Semantically enriched crop type classification and Linked Earth Observation Data to support the Common Agricultural Policy monitoring, Maria Rousi, Vasileios Sitokonstantinou, Georgios Meditskos, Ioannis Papoutsis, Ilias Gialampoukidis, Alkiviadis Koukos, Vassilia Karathanassi, Thanassis Drivas, Stefanos Vrochidis, Charalampos Kontoes, Ioannis Kompatsiaris, 2020
- A Sentinel based agriculture monitoring scheme for the control of the CAP and food security, Vasileios Sitokonstantinou, Antonios Koutroumpas, Thanassis Drivas, Alkiviadis Koukos, Vassilia Karathanassi, Haris Kontoes, Ioannis Papoutsis, 2020
- A Scalable Machine Learning Pipeline for Paddy Rice Classification Using Multi-Temporal Sentinel Data, Vasileios Sitokonstantinou, Alkiviadis Koukos, Thanassis Drivas, Charalampos Kontoes, Ioannis Papoutsis, Vassilia Karathanassi, 2021