

PERSONAL INFORMATION

Spiros Michelinakis



- 📍 Hellenic Centre for Marine Research, PO Box 2214, 71003, Heraklion-Crete, Greece
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Sex Male | Date of birth 19/11/1989 | Nationality Greek

WORK EXPERIENCE

17/05/2021 - present

Mechanical Engineer

Hellenic Centre for Marine Research, PO Box 2214, 71003, Heraklion-Crete, Greece

- Machine tool operation and weldings
- 3D design of mechanical components
- Participation in field work
- Installation of environmental measurement sensor
- Design and manufacture of mechanical parts for use in high pressure environment (deep sea housings, sediment traps etc.)
- Maintenance of the inflatable boat

Sector Research Centre

06/05/2020 – 30/04/2021

Deputy Technical Director-Auditor in Roadworthiness Test Centre

DELTA THM ΣΕΡΒΙΣ R.T.C., Ierapetra-Lasithiou, Greece

- Execution of duties of Deputy Technical Director
- Maintenance - repair of the company's machinery
- Vehicle inspection

Sector Vehicle technical inspection

30/11/2019 – 30/04/2020

Technical Director-Auditor in Roadworthiness Test Centre

AUTODIAGNOSIS R.T.C., Ierapetra-Lasithiou, Greece

- Responsible for the proper operation of the company in all sectors
- Vehicle inspection

Sector Vehicle technical inspection

EDUCATION AND TRAINING

01/09/2008 – 03/07/2018

BSc in Mechanical Engineering

Technological Educational Institute of Crete (Greece)

- Thesis: Development and control of an autonomous variable buoyancy mechanism.
Available at <https://apothesis.lib.teicrete.gr/handle/11713/8809>
Main subject / occupational skills covered: Within the framework of the degree, the following were performed: Calibration of sensors and instruments, programming of microcontrollers, use of the inventor design program, use of machine tools, tightness control of housing with vacuum pump, field testing of the mechanism. The purpose of the mechanism is to operate as an autonomous float, which will carry a variety of measuring instruments which during the dive / emergence, will collect data from the water column.
- Training: Workshop of HCMR Crete
Main subject / occupational skills covered: Assistant mechanic: Welding, machine tool operation, 3D design of mechanical components with the Inventor design program, participation in the maintenance of the inflatable boat and a floating measuring station (Buoy) of the Poseidon system. Participation in field work: Immersion and hoisting of a floating measuring station (Buoy) with the oceanographic ships AEGAEO and PHILIA, immersion of Argo Float, sampling with CTD cast, water collection and zooplankton with the inflatable boat.

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A2	A2	A1	A1	A1

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 my work experiences and my internship.

Organisational / managerial skills Good organizational skills gained through my work as Technical Director in the company AUTODIAGNOSIS R.T.C. and Deputy Technical Director in the company DELTA R.T.C.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- Programming languages: Basic knowledge C++, Python, Matlab
- Microcontroller programming : Arduino
- Design programs : Autocad, Inventor
- Operating Systems : Windows, Linux
- Other skills : Microsoft Office, Internet, Emails ...

Other skills

- Speedboat operator license from the Ierapetra Port authority.
- Scuba diver: certified from PADI on Open Water..

Driving licence Car: B
 Motorcycle: A

ADDITIONAL INFORMATION

Certifications Certificate of Knowledge of Informatics and Computer Operation, T.E.I. of Crete, Department of Mechanical Engineering

Internet of Things (IoT) in Practice: with Raspberry Pi and Python. Mathesis @ Crete University Press.
<https://mathesis.cup.gr/certificates/aaf91424f2804add937021841bca54f0>

Certificate of auditor of private R.T.C. light, two-wheeled - three-wheeled vehicles. Ministry of Infrastructure and Transport.

Electrical Installation Announcement Certificate, Region of Crete, Department of Occupation Rights to exercise the activities: By the Installer Electrician

Certificate of Announcement of Mechanical Installations, Region of Crete, Department of Occupation Rights to exercise the activities: The Welding Master Class B, The Facility Engineer Foreman, The Plumber, Liquid and Gaseous Combustion Facilities for the production of hot water, Of Refrigeration Facilities

Seminars

Basic principles of first aid for citizens (Duration of the Conference), March 2019, Volunteer Rescuers of Crete, Ierapetra

Initial training of light vehicles (R.T.C.) (Duration 120 hours), September 2019, Academy skills, Athens, Greece

Additional training for two-wheelers (R.T.C.) (Duration 24 hours), March 2020, Academy skills, Athens, Greece

Training seminar (Duration 2 hours), April 2016, Company KOUVIDIS SA, Heraklion, Crete