



## Electronic Engineering Intern

### ABOUT US

We are I2S SA, world leading company in [aquaculture software and solutions](#). Our customers are across the globe, from Americas (North & South), to Europe, Middle East and Africa. Helping our customers improve through technology, while contributing towards a more substantial and environmental-friendly aquaculture is our passion! To do that, we conduct research and development across Software, Hardware and Equipment, Electronics, Machine Learning, and more, and we constantly look for talented people to join our team!

### WHAT YOU WILL DO

We are building systems that enable our customers to produce more efficiently. These include water quality monitoring solutions (for example Oxygen and Temperature), feeding systems and more. This work involves a large amount of Electrical Engineering work! Devices have to be designed correctly, selecting the proper components, and designing the circuitry. Moreover, out there in the sea, power supply is a challenge: therefore, the consideration of energy efficiency is necessary. What is the consumption of my device? What kind of batteries, solar panels or other sources do I need to sustain it? Will the hardware be able to operate in extreme weather conditions, such as heat? How the data will be transmitted to an operations office or the headquarters? Moreover, apart from the design, some programming will be needed in order to integrate the sensors with loggers and our software systems. Finally, a lot of on - site visiting and testing will be involved!

### ABOUT YOU

- Just finished or finishing Electrical Engineering, Electronics and Communications, or similar.
- Good knowledge of electronics and physics concepts: circuit analysis and design, device properties (spreadsheets), voltage / current and energy considerations, material properties (e.g. under heat, humidity), etc.
- Knowledge of microprocessors and digital electronics concepts (bits, ports, protocols, ...). Experience with a device such as Arduino, Raspberry PI, or other.

- Some familiarity with design tools such as CAD is a plus, but not required.
- Some programming knowledge in a language such as C/C++ or Python.
- Passion for solving actual, real - world problems, being "hands on" and self - organized / proactive is the most important!

This list is indicative, but not exhaustive. If you don't have some of these yet, but you are a fast learner, and believe that you can do it and tackle hard problems, then feel free to contact us. In general, if you believe this role is a good fit for you and your career, then let's talk!

## **BENEFITS**

We offer an excellent, team - based work environment, competitive salaries, and the opportunity to work on important and challenging problems and gain valuable experience. Moreover, Internships can always be extended to a full - time position.

**Send us your CV at [i2s@i2s.gr](mailto:i2s@i2s.gr) referring the code "EL\_INT"**