

Get to know GWF better

GWF MessSysteme AG is the leading Swiss company for measuring and metering gas, water, electricity and heat. It provides customers with trendsetting system solutions for the readout, communication and management of measuring data. In addition, GWF is a family-run Swiss company that employs over 200 people and can look back on 120 years of success. We have developed from a respected manufacturer of measuring instruments to a competent and innovative partner for measuring systems and meter data management.

Our growing GWF Labs team in Thessaloniki, Greece, has the mission to create real-time decision systems and intelligent solutions by harnessing IoT and telemetry data. By bringing together the best of GWF's digital capabilities, GWF Labs will co-shape the future of industrial IoT in the flow control space. Our employees are mainly people who have a real passion for software engineering and user interface design, create novel web applications and figure out new ways to solve old problems. We use technologies such as Vue.js and Python, all integrated within the Azure IoT infrastructure to bring GWF's proprietary embedded technology, sensors, actuators, and industrial measurement systems to life.

As a company we invite change and provide a dynamic, evolving environment. We aim at attracting, developing, and retaining a team of brilliant people, to simultaneously contribute to the local tech ecosystem and the company's international growth. Our team offers a vibrant environment, passionate bright colleagues and a clear goal to transform IoT data into modern applications. We have highly ambitious goals and a lot of potential.

Internship Positions

Internship title	Enhancements of a GNSS receiver board
Duration	3mo + 3mo renewal possible
Internship description	At GWF a Global Navigation Satellite System (GNSS) prototype receiver board has been implemented. At its core lies a hardware GNSS receiver. The next step calls for increasing the offered featured set of the prototype board. This will be done through interfacing the receiver to a computing engine and programming the latter. The intern is going to be part of the GNSS team and is expected to learn and contribute to this direction.
Required skills	<ul style="list-style-type: none"> • PCB design • Electronics • Microprocessors

Internship title	Hardening of automated testing of embedded software
Duration	3mo + 3mo renewal possible
Internship description	A fundamental gate in the Embedded Software development process is Unit Testing. In this position the intern will be exposed to the internals of the development process at GWF. The intern will be paired with experienced software engineers and contribute to the hardening testing at source code level.
Required skills	<ul style="list-style-type: none"> • C • MCU • Testing

Internship title	Automated System Testing of an Embedded product
Duration	3mo + 3mo renewal possible
Internship description	Once an embedded product has been developed it needs to be tested at a system level. Part of this testing is automated, directly plugged-in in the development pipeline. In this position the intern will be part of the System Testing team of GWF products under development. The intern will script automated testing procedures and make sure the test results are readily available to the developers.
Required skills	<ul style="list-style-type: none"> • Python • Testing • DevOps • Electronics

Internship title	Unit Testing for Android Mobile Application
Duration	3mo + 3mo renewal possible
Internship description	Unit testing significantly improves code quality by helping developers to identify defects. The intern will have the chance to contribute in unit testing developing of an Android mobile application used for MBus smart meters readouts management. The intern will be part of the mobile development team and will be familiarized with all mobile applications lifecycle steps with a strong focus in Unit Testing.
Required skills	<ul style="list-style-type: none"> • Kotlin/Java • Debugging • English
Bonus skills	<ul style="list-style-type: none"> • Unit Testing • Bluetooth • REST API

Internship title	REST API technical documentation improvements
Duration	3mo + 3mo renewal possible
Internship description	Great software should always come with complete, precise, and easy to understand documentation. The intern will be part of the back-end software team and will gain experience in understanding and consuming APIs written by other developers. Once the intern is familiar with the target API, will have to improve the existing technical documentation and become part of the success story of a highly powerful API in the smart metering domain.
Required skills	<ul style="list-style-type: none"> • Python • REST API • English
Bonus skills	<ul style="list-style-type: none"> • Django framework