

# Internship IOT Engineer (m/f/d)



At Ant Robotics we're helping to transform farming. For that we are developing autonomous robots for field work. Founded in 2021, we are focusing on building collaborative robots, which enables the farms to overcome new regulations and economical, ecological and social conditions. We are a young team, eager to use technology to leverage the people on the fields with practical solutions.

## YOUR RESPONSIBILITIES:

- Develop new technological innovations or apply latest digital technologies to create a sustainable crop protection solution
- Lead the scouting of hardware devices, e.g. Raspberry Pi, ATmega, camera modules, etc., and validate their use in our IoT solutions
- Combine software, hardware, and cloud technologies to design new IoT devices and related services
- Develop custom source code following software design principles for IoT devices

## REQUIREMENT:

- Master of Science in computer science, engineering, robotics or similar area
- Deep understanding of IoT architectures, connectivity frameworks, and cloud services (AWS), as well as knowledge of Linux
- Experience developing prototype IoT devices using sensors, single-board computers, and self-written custom software
- Experience with wireless communication standards such as cellular standards (3-5G), LPWANs such as LoRaWAN, Wi-Fi, Bluetooth.
- In-depth knowledge of network protocols and security, authentication and authorization technologies
- Experience in software development using object-oriented programming languages such as Python, C++/ C.

Wherever you are looking for an internship, a workstudent job or thesis, feel free to contact us via [jobs@antrobotics.de](mailto:jobs@antrobotics.de)