

ROBOAT

INTERNSHIP Robotics Sensors

- 4-6 months
- €500 per month
- Based in Amsterdam

ROLE

We are looking for a Robotics Sensors intern who is eager to experiment with cutting edge sensors. We have a range of state-of-the-art sensors ready for testing that we would like to integrate into our test setup and vessels. Our autonomy systems need to detect a wide range of obstacles and do this 24/7 under various weather conditions. To achieve this, we need to select a complementary range of powerful sensors, you'll be working with sensors such as Solid State Lidars, RTK GPS, MMWave Radar, and Infrared cameras.

You will be assessing and implementing a range of new sensors to determine whether they should be included in our sensor line-up.

YOUR INPUT

Requirements:

- BSc in Computer Science or Electrical / Mechanical / Mechatronics Engineering or equivalent.
- Experience with using advanced sensors.
- A strong command of the English language.
- Keen to join us on a wild ride and have a lot of fun doing it.

Nice to haves:

- Experience with C++ and / or Python
- Experience with software tooling such as git, cmake.
- Experience with sensor implementation in a student team or project
- ROS or ROS2 framework experience.
- Capable of showing initiative and being self-reliant.
- Prior work with autonomous driving or robotic systems.

ABOUT US

As the world's cities undergo major changes, there is a strong need for efficient transport. We see an opportunity for the inland waterways to play a key role in city mobility and logistics. By bringing autonomy to vessels, Roboat will transform the movement of people and goods across the water.

Operating at the intersection of design, robotics, and software engineering, Roboat is a growing business that has a place for anyone who is highly driven, enthusiastic to learn, and occasionally enjoys nautical theme songs. Some of our current projects include:

1. A fully autonomous, electric, and 3D printed ferry.
2. Retrofitting the Roboat system onto a cutting-edge demonstration vessel.
3. An autonomy system for a logistics barge operating in the heart of Amsterdam.
4. A situational awareness safety system for the iconic GVB ferries of the Amsterdam IJ River.
5. We are working hard to establishing additional assignments in other cities – think Venice, New York, the Maldives, Helsinki, Seattle, etc.

Come help us create the most incredible autonomous vessels around.

Want to know more about us? Check out: www.roboat.tech

INTERVIEW PROCESS

Excited? Even if you don't meet our exact requirements, we're always on the lookout for great people from all backgrounds – so tell us why you're a fit!

Send us an application

If reading this vacancy makes you feel like you're ready to set sail; cast off; jump on board — or any other ship metaphors for joining the team — then whoever you are or wherever you come from, we encourage you to apply.

Send us a short cover letter and a CV or portfolio of your past adventures relevant to this vacancy and let us know what you'd love to do in the future.

Interview

Typically interviewing with us takes about three weeks from the first introduction call. The steps:

1. Quick introduction video call or call.
2. One-hour onsite interview to get to know you, your motivations, and your work a little better (we can also facilitate an online interview if necessary).
3. We will let you know our decision.

Send your application to join@roboat.tech