ROBOAT

INTERNSHIP Predictive Maintenance

- 3 - 6 months
- €500 per month
- Based in Amsterdam

ROLE

We are looking for a predictive maintenance intern who is eager to apply smart sensing and data processing to predict when our systems might run into problems. Our autonomy systems are out in the rough 24/7 and must endure challenging conditions such as wind, vibrations, moisture and heat. To improve the durability of the sensor hubs, we want to measure and log the internal state of the hubs. By inspecting this data, we can learn when and how our sensor hubs break to prevent future problems. During this internship, you will be designing, building and testing a predictive maintenance setup and pipeline.

If you are looking to grow your experience in critical and out-of-the-box thinking, determining failure modes, setting up systems to prevent failure and even gain hands-on experience, then look no further!

YOUR INPUT

Requirements:

- BSc in Electrical / Mechanical / Mechatronics engineering or similar background
- Experience with mechatronic systems
- 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:

- An interest in preventing problems before they arise
- Excels in a fast paced environment
- 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, Seatle, 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