

ROBOAT

Vacancy Mechatronics Intern

- Ideally 5-6 months, 36 hours per week (4 day week)
- €500 per month
- Based at the Marineterrein in Amsterdam
- Start date: flexible

ROLE

We are looking for a Mechatronics intern with a passion for robotics innovation and prototyping. At Roboat, we work with a wide range of sensors that help boats understand the world around them. We are looking to develop our in-office setup to replicate real-life conditions, understand state-of-the-art sensors better and troubleshoot quicker. If you enjoy 3D modeling, rapid prototyping, workshop time, and turning ideas into tangible hardware, this is your kind of project!

YOUR INPUT

Requirements:

- A background in engineering
- An interest in prototyping, hands-on building and rapid iteration
- Creative, out-of-the-box thinking with an eagerness to learn
- Comfortable in a fast-paced, highly autonomous environment
- A strong command of the English language
- Experience with 3D modelling (CAD) and 3D printing
- Keen to support sensor integration and test setups
- Excited to jump onboard and enjoy the journey with us!

What you'll work on:

- Design, prototype, build and test a flexible modular sensor platform
- Understand sensors and translate their requirements into a physical design
- Create a stable, flexible, and easy-to-reconfigure test setup
- Build using 3D printing, laser cutting, and other rapid manufacturing tools
- Test, iterate, and improve the platform based on our ongoing project
- Help set up clear sensor data visualizations for internal tests and demos

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 and urban waterways to play a key role in city mobility and logistics. By bringing automation to vessels, Roboat will facilitate the movement of people and goods across the water.

Operating at the intersection of design, robotics, and software engineering, Roboat is a dynamic and growing startup 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. An autonomous logistics barge navigating the canals in the heart of Amsterdam.
2. A situational awareness safety system for the iconic GVB ferries of the Amsterdam IJ River
3. A fleet management platform for urban ferries, collecting operational data and enabling smarter decision-making.
4. A cutting-edge demonstration vessel.

Come help us create the most incredible autonomous vessels around and hopefully change mobility in the process. Want to know more about us? Check out: www.roboat.tech

INTERVIEW PROCESS

Excited? Sounds like this might be you? 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, as a nice bonus, a portfolio of past adventures relevant to this vacancy. No worries if you don't have one yet, we'd still love to hear what you'd like to build, test, or explore 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