

Robotics Engineer (Full-time)

Zurich, Switzerland | on-site | starting ~July 2025

We are looking for a hands-on Robotics Engineer to join our team and actively contribute to the development of our advanced robotic systems for confined and complex environments. We're a young and dynamic team, and your role will be broad and impactful – from prototyping and field testing to refining our product and bringing it into the real world with our customers. You'll work side by side with the founding team to shape our technology, company, and culture.

At RoBoa, you'll grow with the company and take on real responsibility from day one. You'll gain deep insights into building robotics systems that solve meaningful challenges in industrial infrastructure. If you're looking for variety, ownership, and a team where your work makes a difference, this is for you!

As an ideal candidate, you will be highly motivated, eager to work on a challenging deep-tech topic with real-world impact, capable of working autonomously and in small teams, and have a strong desire to build and deploy functional robotic systems.

Responsibilities

- Develop and implement new robotic features, focusing on mechanical design, software, and/or electronics depending on your background.
- Build, assemble, and maintain functional prototypes and support small-scale production runs.
- Conduct lab and field testing of robots and provide feedback to refine functionality and reliability.
- Travel to customers for field deployments and contribute to system integration and troubleshooting.
- Be part of cross-functional teams to gather requirements, understand business objectives, and translate customer needs and field insights into our robots.
- Stay up to date with the latest developments in robotics and propose innovative ideas to push the boundaries of our systems.

Requirements & Qualifications

- Strong motivation and goal-oriented working attitude.
- Comfortable working independently and in small teams, and willing to take responsibility.
- Someone who enjoys variety – you'll code, build, test, and talk to users.
- Master's degree in Robotics, Mechatronics, Electrical, Mechanical Engineering, or a related discipline.
- Experience with curricular or extracurricular robotics projects.
- Proficiency in Python and C++, ROS, Linux-based systems, and/or CAD.
- Fluent English speaker.

Great to have

- Hands-on experience with CAD (Fusion360) and PCB design (KiCad).
- Field robotics or deployment experience.
- Comfortable working with hardware (e.g. soldering, sensor integration, mechanical prototyping).
- Startup or project-based work experience in robotics or related fields.

What we offer

- Direct collaboration with the founders and the chance to actively shape our product and company.
- Opportunity to grow into a core role in an early-stage robotics startup.
- Competitive compensation package.
- Exposure to real-world deployments and pilot customers.
- A team culture focused on technical excellence, openness, and shared ownership.
- Regular joint team activities including team dinners and surprise events.

How to apply

Please apply through our [online application form](#) and have your cover letter, CV, transcript and/or reference at hand. Applications via email, LinkedIn, or other channels are not accepted. If you have any questions that hinder you from applying, contact us at hire@roboa.ch. You can find more details on roboa.ch/team

If we believe your profile fits the position, we'll contact you for an initial video interview. We look forward to hearing from you!