

AirScale

Job Title: R&D Engineer (Mechanical)

Company: AirScale AG

Location: Zurich, Hybrid

Duration: 3-6 months, 60-100%

Job Type: Paid Internship

Company Overview:

AirScale is an early-stage start-up based in the heart of Zurich. We are a small and dynamic team that thrives on innovation and creativity. At AirScale, we firmly believe that every individual has the potential to bring unique ideas to the table. In line with our beliefs, we are committed to giving our team members a platform where they can take responsibility and make a direct impact on our growth and success.

Supported by the Swiss National Fonds and Innosuisse, AirScale collaborates with leading hospitals such as the University Hospital Zurich (USZ) and the University Hospital Bern (Inselspital) to develop and validate its technology.

Job Description:

We are seeking a hands-on individual with a get-things-done mentality to join our team in the development and industrialisation of our medical product. You will work closely with the founders as well as highly skilled experts from whom you can learn directly. This position offers a dynamic environment with opportunities to innovate, build, and test our system to ensure it meets user needs and complies with international medical device standards.

Key Responsibilities :

- Collaborate with the product owner and the technical team to fulfill product requirements.
- Refine and optimise product components to reach design freeze and prepare for industrialisation.
- Build and test prototypes, generate and analyse system readings, troubleshoot issues, and solve technical challenges to ensure performance and safety.
- Research, evaluate, and qualify suppliers to meet technical and regulatory requirements; order and assess product samples to identify the best-fit partners.
- Implement the technical documentation (e.g., design history files, risk analyses, test reports, verification/validation protocols, and production specifications) to comply with ISO standards.

Qualifications and Skills:

- Currently enrolled or recently graduated from a Bachelor's or Master's program in Engineering (e.g., Electrical, Mechanical, Biomedical, or a related field).
- Highly self-driven and proactive, with the ability to work independently, take responsibility, and tackle unsolved challenges with creative problem-solving.
- Hands-on mindset, with practical experience in prototyping and building - internships, coursework, or personal hobby projects.
- Strong analytical and technical thinking, with the ability to build test set-ups, interpret data/readings, and iterate designs.
- Interest in medical technology and willingness to work in a regulated environment.

 **Our Offer:**

- A vibrant and dynamic work environment at the ETH Student Project House, where you can meet various other startup teams.
- Hybrid work model: Work how you want and from where you want.
- The possibility of joining the startup after completing the internship.
- An opportunity to work directly and learn from industry experts.
- An inclusive team where every opinion matters.