

Mechanical Design Engineer

Open position: Entry Level / Internship 100%

Location: Zurich, Switzerland

Bota Systems AG is an ETH Spin-off based out of the Robotic Systems Lab of ETH Zurich. We develop state-of-the-art force sensing solutions for the most demanding applications in industry and research. Our products enhance robotic systems with a sense of touch, allowing them to interact with their environment, including humans, in a safe and precise way.

As a growing start-up, we are looking for talented individuals who are motivated to grow with us.

Key Responsibilities

- Design and implement technical solutions for our sensors with respect to industrial standards
- Develop technical and production documentation for final products
- Work and negotiate with suppliers and manufacturers
- Consult with the different development teams on specifications
- Support development of new products and engineering designs
- Develop manufacturing process flowcharts for production, including defining people and material flow issues
- Development, fabrication, testing, and validation of prototype parts, fixtures and production support equipment
- Improve product quality by identifying manufacturing issues and implementing cost-effective solutions

Your Profile

- You have a Bachelor's or Master's degree in Mechanical Engineering or other related engineering field and ideally experience in the field of mechanical design and manufacturing
- Proven practical knowledge and passion for mechanical design
- Minimum 2 years of experience with Solidworks or other CAD/CAE Systems.
- Essential FEA skills and simulation are required
- Experience with Mechatronics design
- 3D Rendering experience will be considered a plus
- Excellent oral and written English skills. German skills will be considered a plus

We Offer

An attractive work place at ETH Zurich, within the Robotic Systems Lab. Access to ETH Zurich staff benefits. In addition, you will be able to work among multiple disciplines and with excellent engineering and research teams that have an outstanding record in robotic systems. As part of our young and highly-motivated team, you will have the opportunity to learn, structure, and run, a high-tech company from its early stage to an international level.

Please send your application by emailing your CV and cover letter to join@botasys.com.