



Internship in Medical Robotics

Eggenstein-Leopoldshafen

Step out of your comfort zone, excel and redefine the limits of what is possible. That's just what our employees are doing every single day – in order to set the pace through our innovations and enable outstanding achievements. After all, behind every successful company are many great fascinating people.

Your role

- Develop a digital eye twin that models the post-surgical changes in the eye, from a biomechanical point of view
- Evaluate simulation results against alternative modeling approaches and/or real experimental data
- Report and present your results
- Work closely with experts in biomechanical simulation and digital eye twin concept
- Work with other students, as well as researchers and engineers in a collaborative environment at the newly built ZEISS Innovation Hub Karlsruhe, right on site of the KIT-campus north

Your profile

- You are enrolled in a Bachelor/Master's program in Mechanical Engineering or Mechatronics (preferably), Medical Technology, Electrical Engineering, Computer Science, or comparable
- You have basic knowledge of structural mechanics concepts and finite element method
- You have basic knowledge of the following programming languages: Python, C++
- Experience with Ansys and contact modeling is a plus
- Fluent English language skills
- A hands-on mentality, an open mind, excellent problem-solving, communication and innovation skills
- Passion for innovation and enthusiasm for innovative technologies as well as motivation to work in agile, interdisciplinary teams

In a spacious modern setting full of opportunities for further development, ZEISS employees work in a place where expert knowledge and team spirit reign supreme. All of this is supported by a special ownership structure and the long-term goal of the Carl Zeiss Foundation: to bring science and society into the future together.

Join us today. Inspire people tomorrow.

Diversity is a part of ZEISS. We look forward to receiving your application regardless of gender, nationality, ethnic and social origin, religion, philosophy of life, disability, age, sexual orientation or identity.

Apply now! It takes less than 10 minutes.

Your ZEISS Recruiting Team:

Franziska Gansloser, Selina Safradin