

Innovate through science

Join our innovation team as a

Software Engineer *m/f/d* Perception for Robotics

Are you ready to work at the forefront of robotics technology? Would you like to make a significant contribution to the field? We - Honda Research Institute Europe (HRI) - have a rich history in advanced robotics and are looking for passionate and talented people to support our mission to improve people's lives through technology in a special way! As a valued member of our team, you will have the opportunity to help develop software and AI technologies for our groundbreaking **Avatar robot**, which is making an unprecedented impact in many areas, from healthcare to space exploration.

Be part of this incredible journey and join us in Offenbach, Germany!

Your responsibilities

You will help us to implement the research ideas of the HRI into prototype systems, this includes in detail

- Development, maintenance and integration of components for a visual perception system for a robotic teleoperation research system
- Identification of novel methods from scientific publications on robot perception, e.g., object pose estimation, implementation of prototypes and evaluation on the robot system
- [Strong interaction within the local team](#)
- [Discussion and integration in the larger global team](#)
- Tackle sub-problems independently
- System calibration

In all these tasks, you will work within a team of researchers as well as internal and external software engineering experts.

Your profile

- Master's degree in computer science or related technical field
- Proficiency in Python and C++
- Experience with the basics of machine learning (ML), ML framework (e.g. pytorch or tensorflow) and computer vision
- Preferably also knowledge of ROS and Git

You enjoy working both independently and as a part of a team and appreciate a structured way of working. Take the initiative and become part of our international team.

This position is initially limited to 2 years.

Our strengths – your benefits

- An exciting combination of fundamental and applied research
- An open atmosphere with a great multidisciplinary, international team and strong academic collaborations
- Participation in international conferences and workshops
- Flexible work time regulations
- Various social benefits including an attractive retirement savings plan

We look forward to hearing from you.

To make initial contact, please submit your application online mentioning your earliest starting date and your salary expectations to Horst Mangold, PME – Personal- und Managemententwicklung, at:

[Apply now](#)

Do you need more information? Mr. Mangold would be glad to help, and is available at +49 (0) 6132 899 040 – evenings included.