



**Committed and with passion for precision we create digital reality solutions combining sensor, software, and autonomous technologies to empower a sustainable future.**

As a Technical Lead in Perception for Manipulation, you lead the work to make our robots capable of understanding where and how to interact in the real world, with dexterity and precision. You will contribute to our new and exciting project developing a novel mobile robotic system for automating tasks.

Join our newly established team within Hexagon's Innovation Hub and help drive the future of robot autonomy!

## Technical Lead (f/m/d) - Perception for Manipulation

Zürich  80-100%

### This appeals to you

- Leading the team responsible for the development of the algorithms concerning computer vision in our manipulation pipeline.
- Driving the requirement engineering, concept definition and architecture of the system for detection, classification, and tracking of objects in the robot's environment.
- Evaluating, testing and implementing state-of-the-art methods and adapting them to our needs.
- System integration and building product out of cutting-edge research results.
- Delivering reliable software through code reviews, continuous integration, and automated testing.
- Writing high-performance code in Python and sometimes in C++.
- Working in a startup like environment within a global company, with flat hierarchies and high personal

### This is you

- Masters/PhD in Robotics, Computer Science, Software Engineering, or similar.
- Passion for leading and mentoring engineers.
- You bring at least 5 years of relevant professional industry experience in 3D vision, object detection & tracking, and sensor fusion.
- You have experience interfacing and processing data from RGB and RGBD cameras for robotic applications.
- You are up to date on the latest developments in the field and have a strong theoretical understanding of the algorithms typically used.
- You are very experienced in Python and comfortable with C++.
- You have experience training and deploying learning-based computer vision models.
- You like to work independently and hands-on in rapid

influence.

iterations with an entrepreneurial mindset.

- Proficiency in English required, basic German skills advantageous.

## We offer you

- Flexible annual working hours based on a 40-hour week, with 100% employment
- Vacation entitlement: 25 days from the age of 20, 27 days from the age of 40 and 30 days from the age of 50
- Hybrid Working model
- Generous bonus system and extra-mandatory pension fund contributions
- Individual training opportunities (internal and external)
- Relocation service
- Various Discounts (Health, Car, Entertainment and much more)
- Employee Events
- Flat hierarchy structure
- Warm and international corporate culture based on respect and cooperation

## About Us

Hexagon is a leading provider of digital reality solutions and employs more than 24,000 people in 50 countries. You will be part of a strong, experienced, inspiring and motivated team of experts driving the future of Hexagon. You will use and develop your skills in our highly innovative and diverse environment. Flexible working models allow you to ideally combine work and private interests.

## Contact

If you have any questions, please do not hesitate to contact [David Rank](#), Talent Acquisition Specialist.

**APPLY NOW**

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**HEXAGON**