



Robotics Technical Lead - Teleoperation (f/m/d)

100% Zürich

Hexagon Robotics is a division of Hexagon – a global leader in precision measurement. Established in 2025, Hexagon Robotics develops humanoid robots for industrial sectors to address labor shortages and enable the transition from automation to autonomy. The first humanoid product, AEON, was launched in June 2025 and combines agility, awareness, spatial intelligence and versatility to provide a market-leading solution for automotive, transportation, aerospace, manufacturing, and logistics customers.

As the **Robotics Technical Lead**, you will own the end-to-end experience of "driving" a humanoid. You will be responsible for the software stack that connects a human's intent to a state-of-the-art industrial humanoid robot with precision and ease. You'll shape both the immediate roadmap and long-term vision for how humans interact with our robots, ensuring our solution scales effectively to meet customer needs across diverse industrial applications.

Your Mission

- Lead the development of our teleoperation software, ensuring a seamless connection between the teleoperator and the robot's control system. This includes bringing our prototype solution to product-level readiness.
- Drive initiatives to minimize glass-to-glass latency and maximize control precision,

Your Skillset

- A strong background in Robotics, Mechatronics, or Computer Science. You understand robot kinematics, real-time control systems, and human machine interaction.
- At least 5 years of professional experience, ideally with a focus on teleoperation or HMI. Proven experience in

ensuring the operator feels truly "embodied" in the robot.

- Drive improvements in operator UI/UX to maximize efficiency, comfort, and ease of use.
- Investigate and integrate next-gen input devices (haptic gloves, advanced motion tracking sensors) and workflows.
- Define the long-term technical roadmap for teleoperation. Stay current with emerging technologies in VR/AR, haptics, robotics control, and human-robot interaction and bring promising solutions into or R&D efforts.

carrying out usability tests and experiments is a plus.

- Experience (or a deep interest) in UX design. You understand that teleoperation is as much about the human as it is about the machine.
- Proficiency in C++ and/or Python.
- Experience with ROS2 and real-time communication protocols (WebRTC, DDS) are a plus.
- Familiarity with VR/AR development frameworks (particularly WebXR) are a plus.
- You are comfortable and excited to lead a high-impact project from research to industrial deployment.

What You'll Get

- Flexible working hours and a hybrid model for real work-life balance
- Generous vacation: 25–30 days depending on age
- CHF 500 mobility credit for sustainable commuting
- Bonus system & strong pension contributions
- Tailored training & development opportunities
- Relocation support for a smooth start
- Discounts on health, mobility & entertainment
- Team events and a flat hierarchy where your voice counts
- A warm, international culture built on respect and collaboration

Great robots need great people.

Apply Now

Contact

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Hexagon Robotics

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