

Staff ML Engineer (f/md)

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.

We are looking for an **Staff ML Engineer** to design and develop robust, scalable software running on embedded Linux, working close to the hardware and collaborating across multi-disciplinary teams to bring our humanoid robots from prototype to production.

Your Mission

- Guide the team in applying state-of-the-art algorithms for whole-body control of humanoid robots
- Hands-on implementation of whole-body controllers, including testing and evaluation on robots
- Develop scalable training pipelines for reinforcement / imitation learning

Your Skillset

- PhD/MSc in Robotics, Computer Science, or a related technical field
- 5+ years of experience in developing planning and control algorithms, preferably on robotic products
- Expertise in a wide range of methods for planning and control - sampling-based, optimization-based, ML-based.

- Work in a multicultural and interdisciplinary environment developing a novel robot from prototype to serial production
- Team-oriented, problem-solving and creative thinking to push boundaries of cutting-edge technologies
- Being part of an R&D division with startup spirit in a globally active company: we work in an iterative fashion to solve complex real-world problems at the frontier of robotics
- Solid programming skills in Python and C++
- Knowledge of robotics frameworks and tools (particularly ROS2, Omniverse) and ability to work closely with other robotics teams

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

Silvia Dadin
Senior Recruiter / HR Generalist
E-Mail: silvia.dadin@hexagon.com

Hexagon Robotics
Räffelstrasse 26, 8045 Zürich
https://robotics.hexagon.com/