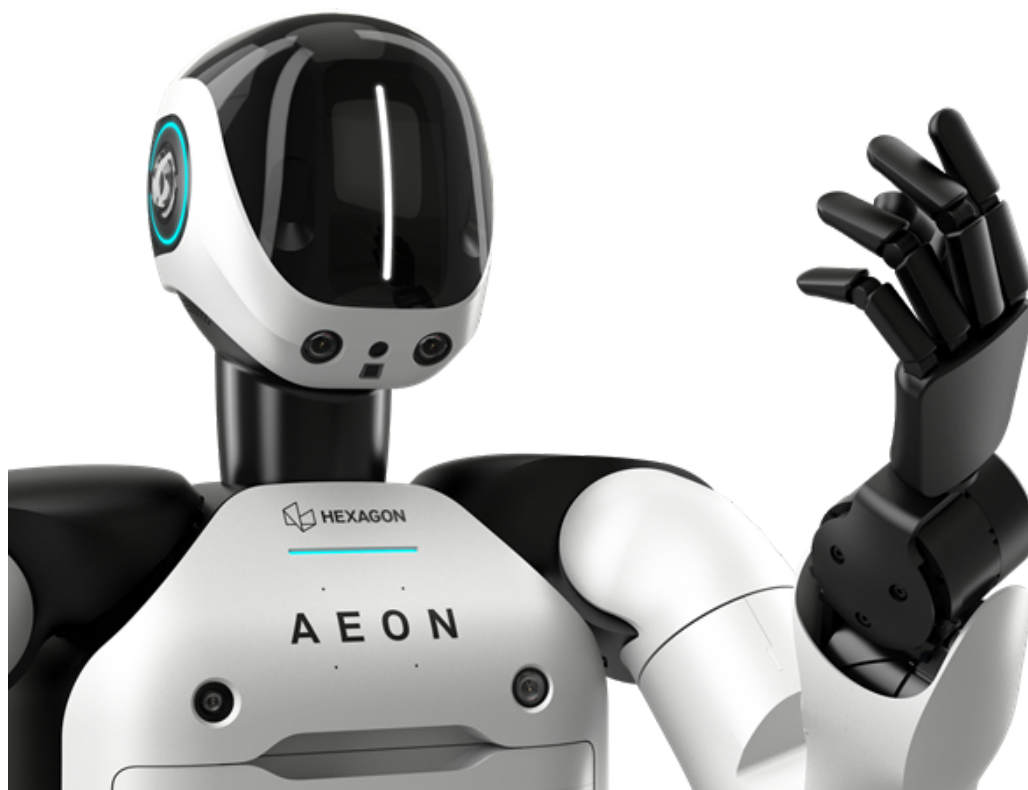




Staff ML Engineer, Embodied AI (f/m/d)

100% Zürich

Hexagon Robotics is a division of Hexagon – a global leader in precision measurement. The division develops humanoid robots for industrial sectors to address labor shortages and accelerate the transition from automation to autonomy. Our first humanoid, AEON, was launched in June 2025 and is already in pilots with five customers.

We are hiring a Staff ML Engineer, Embodied AI to own the technical roadmap that enables customers to train AEON to automate new industrial tasks. This is a senior technical leadership role for someone who can set direction, drive execution, and raise the bar for how we build embodied AI at Hexagon Robotics.

Your Mission

- Lead the research, development, and training of end-to-end visuomotor policies for robotic manipulation
- Own the strategy and execution for pre-training, fine-tuning, and post-training approaches
- Define and drive the technical roadmap for embodied AI capabilities on AEON
Collaborate closely with Product and

Your Skillset

- PhD or MSc in Robotics, Computer Science, Data Science, Machine Learning, or a related technical field
- 5+ years of experience in robotics or ML development
- Strong experience building embodied AI systems for robotic manipulation
- Proven track record in training, evaluating, and improving machine learning models

- Management to translate customer needs into a strong embodied AI strategy
- Act as a technical lead within the team, helping shape best practices, architecture, and model development standards
- Use AI coding tools pragmatically, while ensuring the codebase remains clean, maintainable, and production-ready
- Deep hands-on experience with Python and modern deep learning frameworks
- Experience with robotics learning frameworks such as LeRobot or equivalent
- Ability to work autonomously, take technical ownership, and influence team direction
- Pragmatic, goal-oriented mindset with strong execution focus

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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