

AI / Machine Learning Engineer

Robotics | Join **The ELLEON Collective**

Are you driven to bring intelligence into physical systems and enable robots to perceive, learn, and interact with the real world?

At ELLEON, we are accelerating the growth of our Robotics practice and are looking for AI / Machine Learning Engineers to contribute to high-impact programs at the intersection of robotics, AI, and industrial systems. You will work on real-world applications where algorithms meet hardware, enabling smarter, more autonomous, and more adaptive machines.

Why Join ELLEON?

At **ELLEON**, we are a collective. We empower engineers, consultants, and clients to shape the future of robotics and intelligent systems.

Within our Robotics Practice, we partner with leading organizations—from industrial automation leaders to cutting-edge AI and robotics innovators.

By joining us, you gain access to:

- High-impact projects in robotics, AI, and intelligent systems
- A strong community of engineering and tech professionals
- Certified leadership coaching & continuous development
- Flexible career models and a commitment to work-life balance

Your Role

As an AI / Machine Learning Engineer – Robotics, you will design, develop, and deploy machine learning models that enable perception, decision-making, and autonomy in robotic systems.

You will operate at the interface between software, data, and physical systems, working closely with robotics, control, and system engineering teams.

This role combines applied AI expertise, systems thinking, and hands-on implementation in complex, real-world environments.

Your Key Responsibilities





- Develop and deploy machine learning models for robotic applications (e.g., perception, object detection, sensor fusion, motion intelligence).
- Work with multimodal data (vision, LiDAR, sensor data) to enable robust real-world performance.

- Collaborate with robotics and control engineers to integrate AI models into embedded or real-time systems.
- Optimize models for performance, latency, and deployment constraints (edge computing, onboard systems).
- Contribute to the development of autonomous or semi-autonomous robotic capabilities.
- Design data pipelines and workflows for training, validation, and continuous improvement.
- Participate in system-level architecture discussions and technical decision-making.
- Ensure robustness, reliability, and scalability of deployed AI solutions in industrial environments.

Who You Are


- Degree (Master's or PhD) in Computer Science, Robotics, AI, or a related engineering field.
- Proven experience in applied machine learning, ideally in robotics or real-world systems.
- Strong knowledge of machine learning frameworks (e.g., PyTorch, TensorFlow) and Python ecosystem.
- Experience with computer vision, sensor data processing, or robotics-related AI applications.
- Understanding of real-time constraints, embedded systems, or edge deployment is a strong plus.
- Strong problem-solving mindset and ability to work on complex, multidisciplinary systems.
- Fluent in English; German and/or French is a plus.

What We Offer

-  Work on cutting-edge robotics and AI programs with real-world impact
-  Contribute to intelligent systems that interact with the physical world
-  Be part of the ELLEON Collective and grow within a strong engineering and innovation community
-  Access continuous learning, leadership coaching, and career development opportunities

Join Us & Build the Future - We are hiring now!

👉 If you are ready to work on complex engineering challenges and be part of a premium consulting collective, apply now and join the ELLEON Collective.

 Apply today! Applications are reviewed on a rolling basis.

At ELLEON, we celebrate diversity and believe in equal opportunities for all. We encourage candidates from all backgrounds and seniority to apply.