Welcome to **NEURA Robotics**, the innovator of the robotics world. Our goal is to equip collaborative robots with groundbreaking cognitive capabilities to enable safe and intuitive collaboration with humans. Under the leadership of founder David Reger, we have spent the first years of **NEURA Robotics** laying the foundations for humans and robots to work hand in hand.

"We serve humanity" is not just a motto, but our mission. Become part of our ambitious, international company and shape the future of robotics with us.

Welcome to **NEURA Robotics** - where innovation meets team spirit.

Your mission & challenges

As an AI Robotics System Engineer, you will work within the central AI team to develop AI-based functions and applications for our entire robotics portfolio — ranging from the cognitive robot arm MAiRA, to the humanoid 4NE-1, and the service robot MiPA. Your scope of work covers all types of applications: customer projects, internal development projects, trade fair and demo setups, as well as exploratory prototypes.

- Develop and integrate AI-based functions across the robotics portfolio (robot arms, humanoids, service robots).
- Implement AI capabilities into end-to-end robotic systems, from design and prototyping to testing and validation on real hardware.

- Integrate sensors, actuators, ROS-based software, and AI models into reliable, production-ready systems.

- Collaborate closely with AI researchers to translate models and algorithms into practical robotic applications.

- Work with project managers, software engineers, and business partners to define requirements and scalable implementation paths.

- Support customer projects, demos, trade fairs, and exploratory prototypes.

- Assist users in NeuraGym with application setup, data collection, skill training, and hardware testing.

- Enable teams, partners, and customers to develop, validate, and independently operate AI-powered robotic systems.

- Apply expertise in C++, ROS, robotics, kinematics, motion and grasp planning, including classical and learning-based approaches.

What we can look forward to

- A degree in Robotics, Computer Science, or a related technical field

- At least three years of hands-on experience in developing robotic applications or robotic systems

- Very strong programming skills in C++ and/or Python, especially in object-oriented software development

- Solid experience with ROS (Robot Operating System) and working with real robotic platforms

- Ideally, several years of experience in machine learning for robotics, with strong expertise in at least one of the following areas:
  - Visual manipulation

  - Reinforcement / imitation learning

  - Multimodal models

- Expertise in developing low-latency and high-performance software modules

- Knowledge of cloud environments (e.g. AWS, Azure, GCP) and robot simulation tools such as Isaac Sim or MuJoCo is a plus

- Strong team spirit and the ability to work independently, in a structured and proactive manner within a dynamic, interdisciplinary environment

- Strong analytical and organizational skills, enabling you to manage multiple projects efficiently in parallel

- Clear and open communication skills, both internally and externally, allowing you to confidently bridge research, engineering, and users

- Fluent English
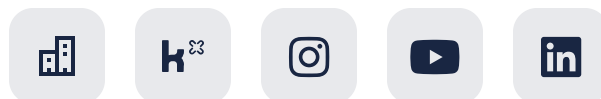
What you can look forward to

- Become part of an agile company, actively shape topics and benefit from flat hierarchies in a highly motivated team
- Enjoy an attractive salary, flexible working hours and 30 days of vacation
- The freedom to contribute your own ideas and drive them forward
- Celebrate successes together with company events
- Take advantage of our corporate benefits program
- And even more fun with great colleagues

Apply

We are looking forward to meeting you and shaping the future of robotics together. Are you in?

Couldn't find a suitable position? Please send us an unsolicited application.
We are always looking for passionate tech enthusiasts to help us revolutionize the world of robotics!

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