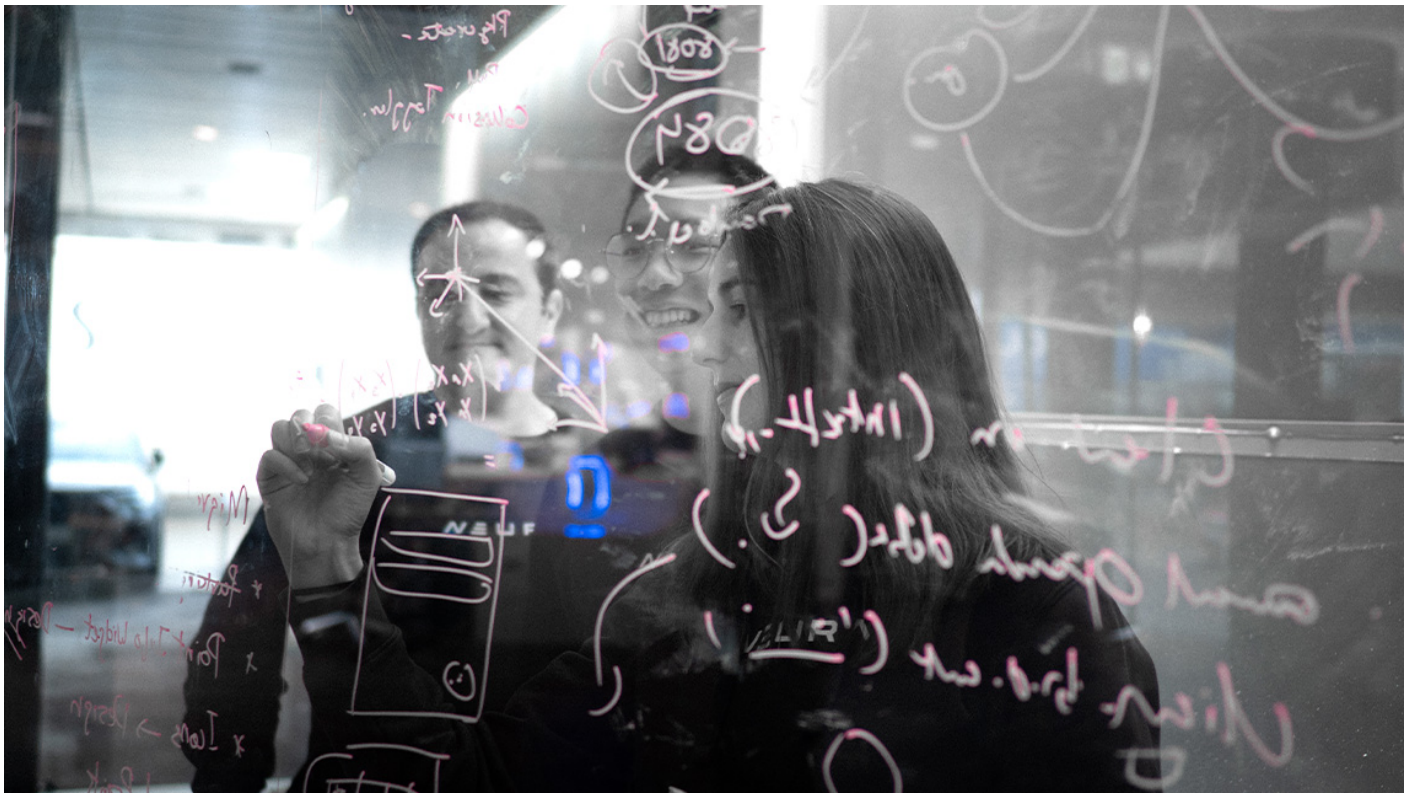

Welcome to **NEURA Robotics**, the innovator of the robotics world. Our goal is to equip collaborative robots with groundbreaking cognitive capabilities to enable safe and intuitive collaboration with humans. Under the leadership of founder David Reger, we have spent the first years of **NEURA Robotics**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

Together, we are taking the step into a new era of cognitive robots:

As an Expert in Reinforcement Learning and Behavior Cloning for Humanoid Robots at NEURA Robotics, you will lead the development and implementation of cutting-edge algorithms and systems. You will collaborate closely with our robotics engineering team to enhance the autonomy, adaptability, and interaction capabilities of our humanoid robots. This includes:

- Make walking and manipulation of 4NE-1 robust
- Design, implement, and optimize reinforcement learning algorithms tailored for humanoid robots to perform complex tasks autonomously.

- Develop behavior cloning techniques to improve the efficiency and safety of robot operations in diverse environments.
- Integrate reinforcement learning and behavior cloning approaches to enable robots to learn from both simulated and real-world interactions.
- Collaborate with hardware engineers to ensure seamless integration of algorithms with robot hardware and sensors.
- Conduct experiments and simulations to evaluate and validate algorithmic performance in various scenarios.

What we can look forward to

- Master’s or Ph.D. in Robotics, Computer Science, or a related field
- Proficiency in programming languages like Python, C++, or Java, with hands-on experience in robotics frameworks (e.g., ROS) and robotic hardware platforms
- Experience in developing and deploying reinforcement learning algorithms and behavior cloning techniques for robotic systems, with a strong grasp of humanoid robot dynamics, control theory, and sensor integration
- Familiarity with simulation tools such as Isaac Gym and a solid background in motion planning algorithms and perception systems for robots
- Strong analytical skills and a proven ability to deliver innovative solutions in robotics, ideally including a track record of publications or contributions to conferences and journals
- Experience with deep learning is a plus, particularly using frameworks like PyTorch or TensorFlow for applications in Computer Vision, Reinforcement Learning, or Behavior Cloning
- Knowledge of GPU programming and the development of deep learning models for robotics applications
- Your communication skills make you shine
- You have a perfect command of the English language and, best of all, speak German well

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 25 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!