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 a Teleoperation Software Engineer (Human), you will develop robust, low-latency teleoperation pipelines that enable intuitive and stable control of bi-manual robotic systems, including dual-arm and humanoid platforms. Your work will support customer projects, internal development, demos, trade fairs, and exploratory prototypes, and will be a key enabler for data collection and autonomy development.

Your main tasks include:

- Design and implement end-to-end teleoperation systems, from human input devices to real-time robot control on physical hardware.

- Map human motion to robot kinematics with differing morphology, workspace limits, and degrees of freedom.
- Build low-latency, high-performance control loops, including filtering, prediction, and latency compensation strategies.
- Integrate teleoperation with perception systems (vision, depth, force/torque, tactile sensing) to enable precise and safe manipulation.
- Ensure safe operation through collision avoidance, workspace constraints, compliance control, and fail-safe mechanisms.
- Integrate teleoperation software into robotic systems and deploy on real hardware.
- Collaborate with AI and learning teams to enable teleoperation-based data collection for imitation learning and autonomy.
- Work with software engineers, project managers, and application teams to define requirements and scalable teleoperation architectures.
- Support customer projects, demos, trade fairs, and internal users during system setup, operation, and troubleshooting.

What we can look forward to

- Master’s degree or PhD in Robotics, Computer Science, or a related technical field
- 3+ years of hands-on experience developing robotic control or teleoperation systems
- Very strong programming skills in C++ and/or Python, with experience writing real-time or performance-critical software
- Solid experience with ROS (Robot Operating System) and working with real robotic platforms
- Strong background in robot kinematics, coordinate frames, and task-space and joint-space control, particularly for dual-arm systems
- Experience building low-latency, high-performance software pipelines and debugging timing- and synchronization-related issues
- Familiarity with human input devices such as VR controllers, motion-capture systems, haptic devices, or exoskeletons
- Experience integrating sensors such as cameras, depth sensors, force/torque sensors, or tactile sensing into control loops
- Experience with robot simulation tools (e.g. Isaac Sim, MuJoCo) and cloud systems is a plus
- Ability to take ownership of complex tasks independently while collaborating closely with software, hardware, and research teams on system-level design and integration
- 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 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!

NEURA ROBOTICS