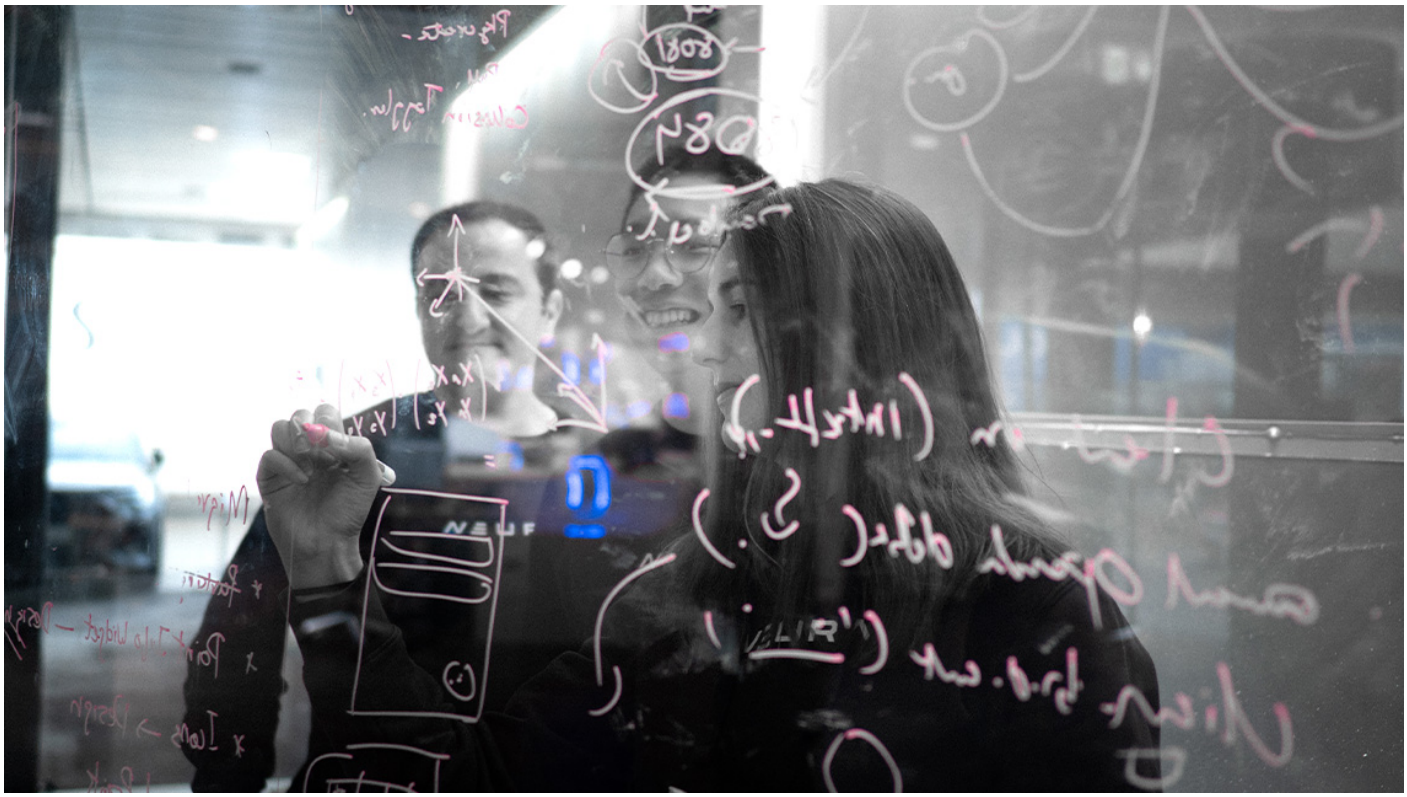

Welcome to **NEURA Robotics**, the innovator of the robotics world. Our goal is to equip collaborative robots with groundbreaking cognitive capabilities to enable safe and intuitive collaboration with humans. Under the leadership of founder David Reger, we have spent the first years of **NEURA Robotics** 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, you develop robust, low-latency teleoperation pipelines that enable intuitive and stable control of bimanual robotic systems—including dual-arm and humanoid platforms. Your work supports customer projects, internal developments, demos, trade shows, and exploratory prototypes, and serves as a key enabler for data collection as well as the advancement of autonomy.

- Design and implement end-to-end teleoperation systems—from human input devices to real-time control of physical robotic systems
- Map human motion to robotic kinematics across differing morphologies, workspace constraints, and degrees of freedom

- Develop low-latency, high-performance control loops, including filtering, prediction, and latency compensation strategies
- Integrate teleoperation with perception systems (vision, depth, force/torque sensing, tactile sensing) for precise and safe manipulation
- Ensure safe operation through collision avoidance, workspace constraints, compliance control, and fail-safe mechanisms
- Integrate teleoperation software into existing robotic systems and deploy it on real hardware
- Collaborate closely with AI and learning teams to enable teleoperation-based data collection for imitation learning and autonomous systems
- Work with software engineers, project managers, and application teams to define requirements and scalable teleoperation architectures
- Support customer projects, demos, trade shows, and internal users with 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
- At least 3 years of hands-on experience developing robotic control or teleoperation systems
- Strong programming skills in C++ and/or Python, especially in real-time or performance-critical software development
- Solid experience with ROS (Robot Operating System) and working with real robotic systems
- Excellent understanding of robot kinematics, coordinate systems, 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 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 sensors into control loops
- Experience with robotics simulation tools (e.g., Isaac Sim, MuJoCo) and cloud systems is a plus
- High level of ownership when tackling complex tasks, along with strong teamwork skills across software, hardware, and research teams at the system level
- Very good English skills and good German skills

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