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:

- You will be responsible for designing, developing, and optimizing embedded software for sensor systems. You will collaborate closely with cross-functional teams to deliver high-quality and innovative sensor solutions.
- Develop and refine embedded software for advanced sensor technologies.
- Integrate sensor systems with hardware and ensure seamless communication.
- Optimize software performance and provide precise documentation and master data.

- Conduct thorough testing and debugging to ensure the reliability and functionality of sensor systems.
- Apply a deep understanding of digital signal processing to improve sensor performance.
- Work with specific sensor technologies such as radar, lidar, capacitive sensors, and cameras to develop innovative solutions.

What we can look forward to

- Demonstrated experience in developing embedded software for microcontrollers or similar embedded systems.
- Expertise in programming languages commonly used in embedded software development, particularly C and C++.
- Experience with real-time operating systems such as FreeRTOS, RTLinux, OSEK, Autosar, or similar systems for managing tasks and resources in embedded systems.
- Solid understanding of various sensor technologies, their principles of operation, and interfacing methods with embedded systems.
- Familiarity with communication protocols commonly used in sensor applications, such as I2C, SPI, UART, LVDS, CSI, and protocols specific to sensor interfaces.
- Understanding of hardware components relevant to embedded systems, including microcontrollers, sensors, analog-to-digital converters (ADCs), and communication interfaces.
- Proficiency in the use of tools for version control (Git), quality analysis, and testing.
- Knowledge of functional safety standards such as ISO 26262, ISO 13849-1, and IEC 62061 is desirable.
- 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