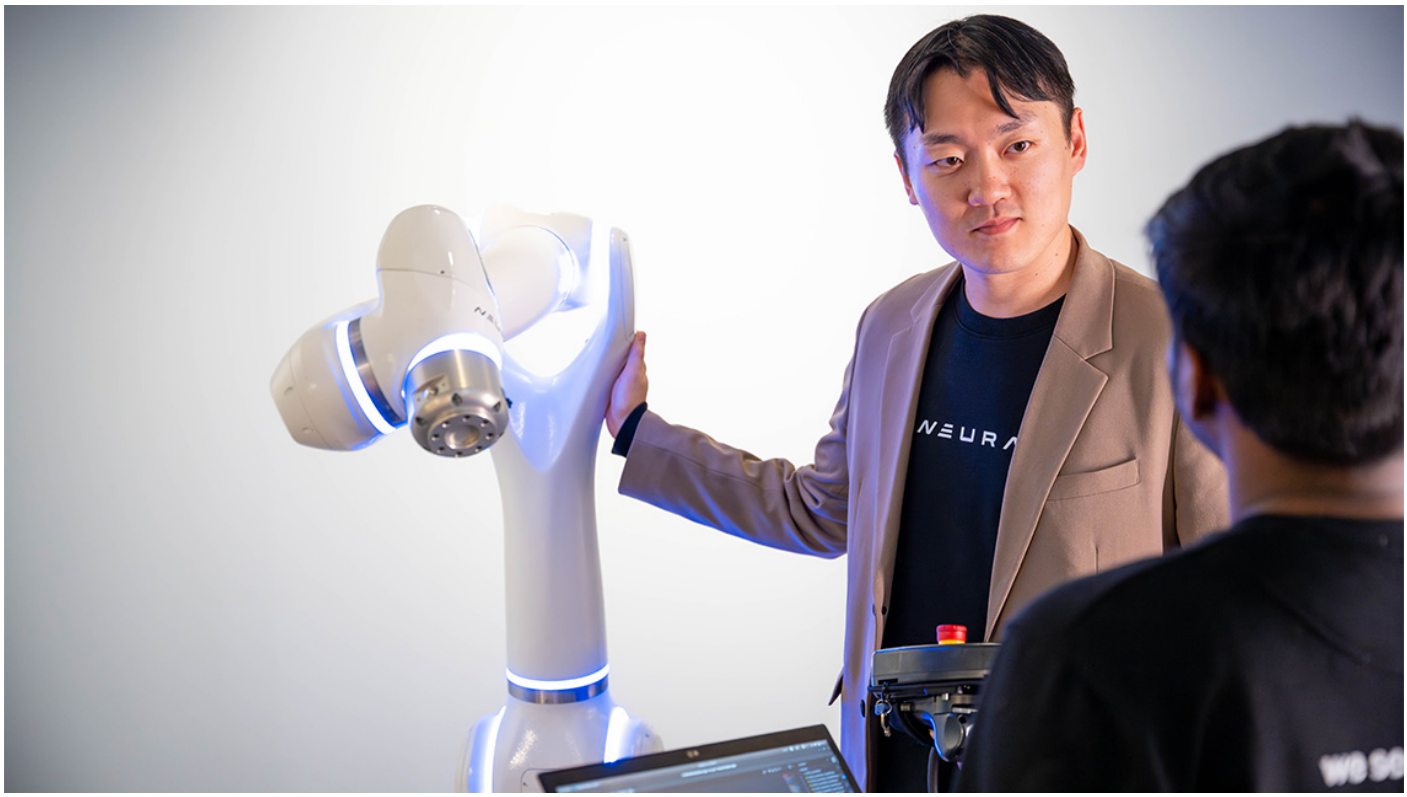

Welcome to **NEURA Robotics**, the innovator of the robotics world. Our goal is to equip collaborative robots with groundbreaking cognitive capabilities to enable safe and intuitive collaboration with humans. Under the leadership of founder David Reger, we have spent the first years of **NEURA Robotics**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

We are seeking a motivated Functional Safety Engineer to join our dynamic robotics team. In this role, you will be instrumental in ensuring the safety and reliability of our state-of-the-art cognitive robotic platforms.

We are specifically looking for a candidate with 1–3 years of hands-on experience in functional safety, particularly someone already familiar with relevant standards and their practical implementation. This focus is designed to accelerate your onboarding and ensure a smooth integration into our ongoing safety-related activities, allowing you to make an immediate and meaningful impact.

- Assist in the development and implementation of functional safety concepts for our cognitive robotic platforms.

- Conduct hazard and risk analysis (HARA), Failure Mode and Effects Analysis (FMEA), Fault Tree Analysis (FTA), and Failure Modes, Effects, and Diagnostic Analysis (FMEDA) for complex robotic systems.
- Support the definition, documentation, and validation of safety requirements throughout the product lifecycle.
- Collaborate with our cross-functional teams including hardware, software, and systems engineering to integrate safety measures seamlessly.
- Contribute to the creation of essential safety documentation, including safety plans, safety cases, and verification & validation reports.
- Participate in and support internal and external safety audits and assessments.
- Stay updated with the latest developments in relevant safety standards (ISO 13849, IEC 61508, etc.) and best practices in the robotics and automation industry.

What we can look forward to

- Bachelor’s or Master’s degree in Electrical Engineering, Mechatronics, Robotics, Computer Science, or a related field.
- 1–2 years of direct experience in functional safety engineering, preferably within the robotics, automation, or automotive industries.
- Familiarity with key safety standards such as IEC 61508 and ISO 13849.
- A basic understanding of embedded systems, sensors, actuators, and control systems.
- Experience with requirements management and system modeling tools (e.g., DOORS, Polarion, MATLAB/Simulink, or similar).
- Strong analytical skills with a methodical approach to problem-solving.
- Excellent documentation skills and attention to detail.
- Certification in Functional Safety (e.g., TÜV SÜD Functional Safety Engineer/Professional).
- Hands-on experience working with autonomous mobile robots (AMRs), collaborative robots (cobots), or industrial robotic arms.
- Exposure to safety validation and verification testing processes (SiL, HiL).

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