



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

In our humanoid robotics department, we are seeking several outstanding humanoid robot developers to join our team. Your responsibilities will cover a wide range of topics, varying according to the needs of 4NE-1. This includes:

- Development, design, and optimization of actuator and transmission systems for humanoid robots
- Definition of drive concepts (electric, hybrid if necessary) taking into account power density, efficiency, and dynamics
- Design and calculation of transmissions (e.g., harmonic drives, planetary gears, cycloidal gears)
- Dimensioning of motors, bearings, shafts, and couplings

- Evaluation of feedback efficiency, stiffness, play, and wear
- Close cooperation with control engineering, electronics, and system architecture
- Support in prototype construction, testing, and commissioning
- Analysis of failure mechanisms and derivation of improvement measures
- Technical coordination with suppliers and evaluation of purchased components

## What we can look forward to

### Must-have:

- Degree in mechanical engineering, mechatronics, or comparable field
- Several years of experience in the design of actuators and/or gearboxes
- Very good knowledge of:
  - Gearbox technology
  - Drive design
  - Machine elements
- Understanding of dynamics, controllability, and system integration
- Experience with CAD systems (CREO, SolidWorks, NX) and mechanical design
- Ability to translate mechanical requirements into system characteristics
- Good knowledge of German or English

### Nice-to-have:

- Experience in robotics or humanoid systems
- Knowledge of motor control and power electronics
- Experience with torque control or direct drive concepts
- Knowledge of thermal design of drive systems
- Experience with endurance and life cycle testing

## 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
- Collaboration on highly innovative humanoid robotics systems
- Excellent location in Zurich Seefeld
- New and state-of-the-art office space and workstations
- 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