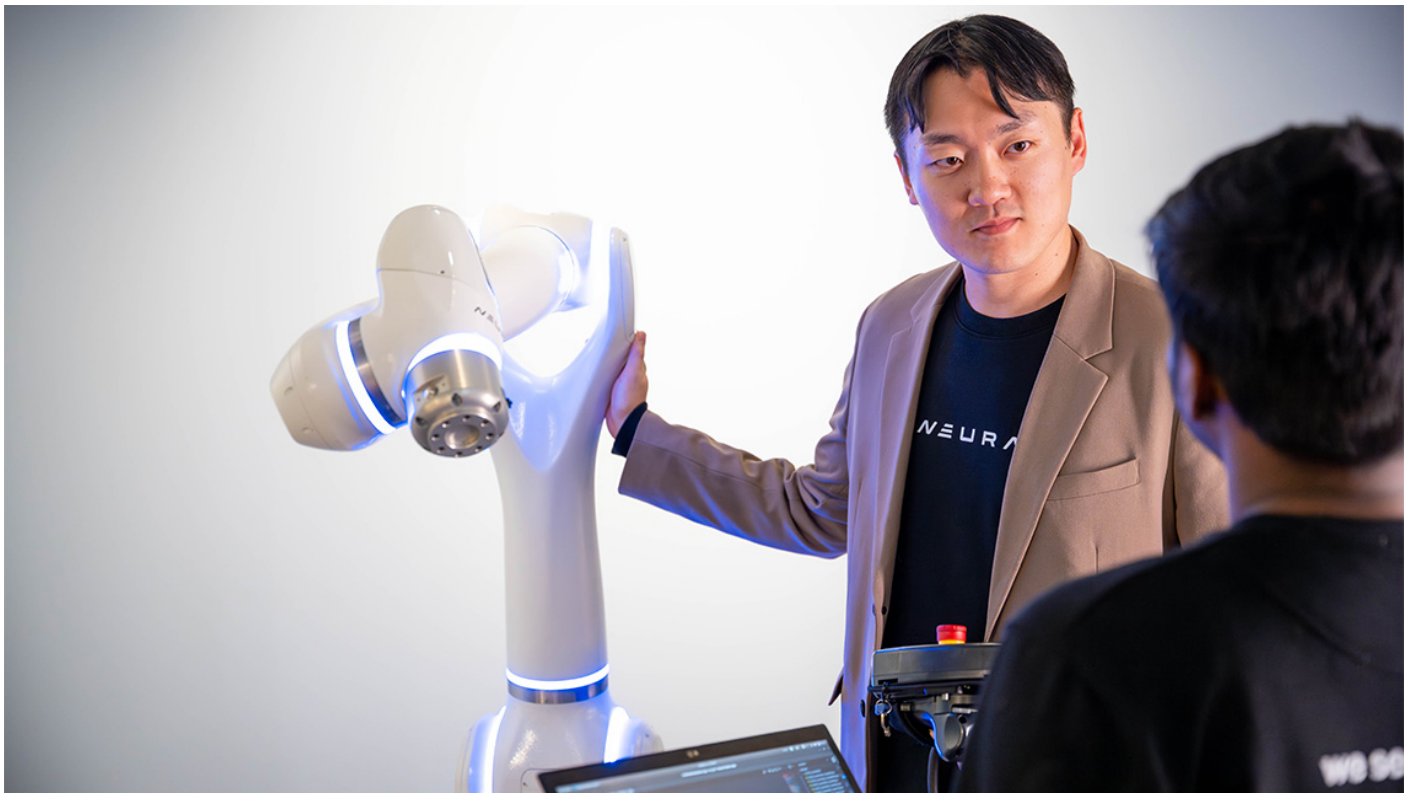

Welcome to **NEURA Robotics**, the innovator of the robotics world. Our goal is to equip collaborative robots with groundbreaking cognitive capabilities to enable safe and intuitive collaboration with humans. Under the leadership of founder David Reger, we have spent the first years of **NEURA Robotics**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

You will build the intelligence that makes our hardware useful: low-level controllers, motion primitives, and the bridge to learning-based manipulation. This role spans control and machine learning: from impedance controllers and trajectory generation up to training and deploying policies from teleoperation data. You'll work on a Jetson/Edge AI ROS 2 stack, interfacing with our real-time hardware node. You'll also collaborate with our research partners on advanced policy development.

- Design and implement control and planning stack for high-DoF end-effectors:
  - Joint-space controllers (position/velocity/torque, impedance).
  - Motion primitives and manipulation skills.
  - Safety and constraint handling (joint limits, self-collisions, force limits).

- Define and maintain the ROS 2 interfaces for the hardware node (command, state, sensor topics).
- Use data from teleoperation pipelines to:
    - Capture large datasets of human demonstrations.
    - Train and evaluate imitation / RL or model-based policies for complex manipulation.
- Prototype and integrate perception-in-the-loop control using short-range ToF, RGB/RGB-D, and tactile sensing.
- Work with research teams to port and evaluate policies on the real hardware.
- Build evaluation benchmarks and metrics for manipulation performance and robustness.

What we can look forward to

- 3–5+ years in robotics / controls / ML (industry or applied research).
- Strong skills in Python and C++, with experience in ROS 2 and modern tooling.
- Solid background in robot dynamics & control (impedance/admittance, inverse kinematics, trajectory generation).
- Experience with at least one of: imitation learning, RL, model-predictive control, or differentiable control applied to robots.
- Hands-on experience running algorithms on real robots, not just simulation.
- Ability to work across stacks with firmware, electronics, and teleop engineers.

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