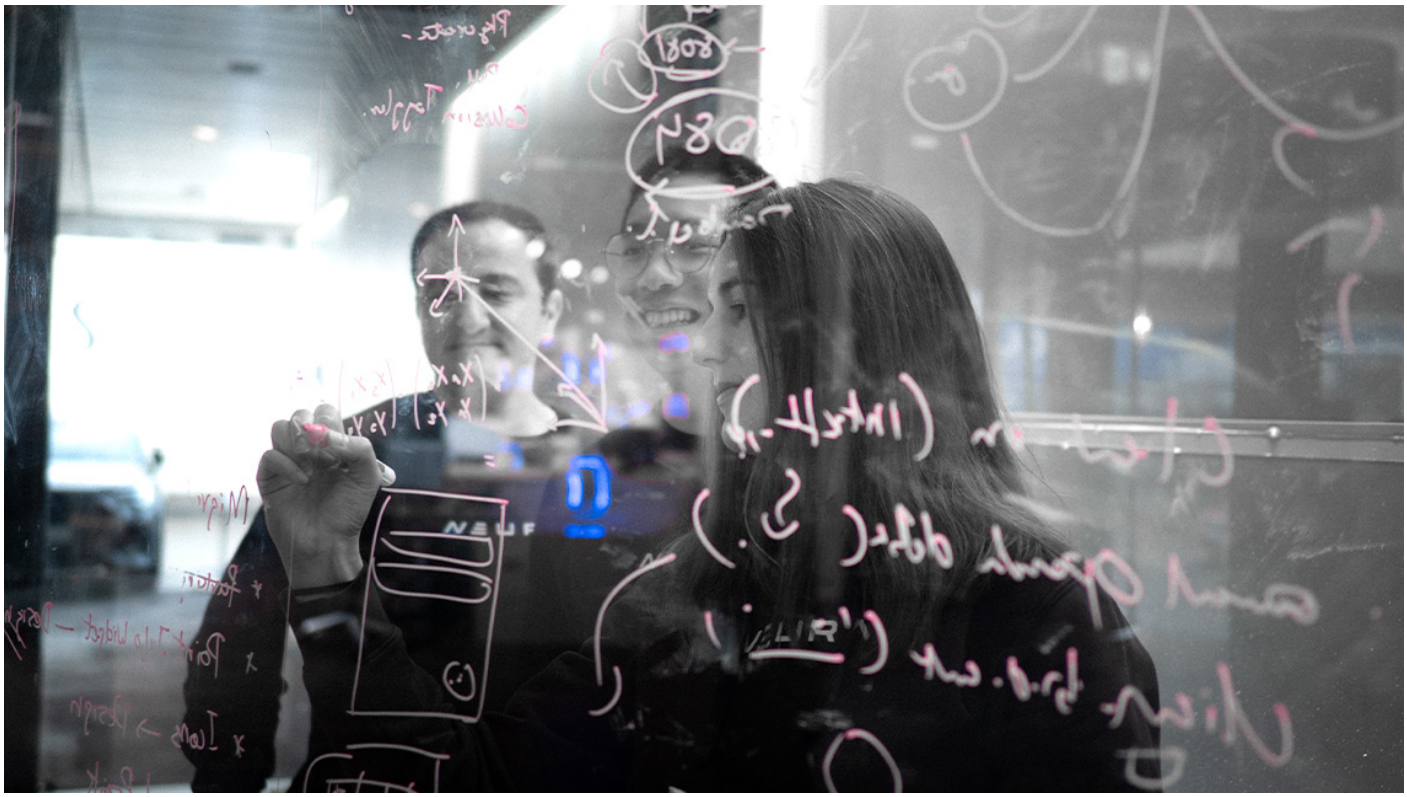

Welcome to **NEURA Robotics**, the innovator of the robotics world. Our goal is to equip collaborative robots with groundbreaking cognitive capabilities to enable safe and intuitive collaboration with humans. Under the leadership of founder David Reger, we have spent the first years of **NEURA Robotics** 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 an Edge AI Engineer (Human), you will integrate and optimize AI models for real-time execution on embedded resource-constrained systems in our robots. Your focus is on turning trained models into reliable, efficient, and maintainable edge deployments that run close to sensors and actuators.

Your main tasks include:

- Deploy AI models on embedded platforms (e.g. NVIDIA Jetson Orin/Thor and comparable edge accelerators)
- Convert and optimize models for edge runtimes (e.g. ONNX Runtime, TensorRT, vendor SDKs)
- Optimize inference for latency, throughput, memory usage, and power consumption
- Implement efficient sensor-to-inference pipelines (camera, depth, multimodal inputs)

- Apply model compression techniques such as quantization and pruning while preserving accuracy
- Integrate AI inference into larger robotics or embedded software stacks
- Profile and debug performance across CPU, GPU, memory, and I/O boundaries
- Ensure robustness, observability, and long-term stability of edge AI systems in production
- Collaborate with model developers and system engineers to define deployable, scalable AI architectures

What we can look forward to

- Master’s degree or PhD in Computer Science, Robotics, Electrical Engineering, or a related field
- 3+ years of hands-on experience deploying AI models in embedded or edge environments
- Strong programming skills in C++ and/or Python, with a performance-oriented mindset
- Experience with embedded Linux systems and cross-compilation toolchains
- Solid understanding of AI inference stacks and runtimes (e.g. ONNX Runtime, TensorRT, OpenVINO, vendor SDKs)
- Practical experience with model optimization techniques such as quantization, pruning, and precision trade-offs
- Experience integrating vision or multimodal pipelines into real-time systems
- Strong debugging and profiling skills for constrained hardware environments
- Ability to take ownership of complex tasks independently while collaborating closely with software, hardware, and research teams on system-level design and integration
- 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