
Developer (m/f/x) in GUI App applied to Humanoid Robotic Hand Gripper

Nibotics[®] is a highly innovative start-up technology company focused on unique solutions through the application of Robotics and Artificial Intelligence (AI) technologies. Our Mission is to implement revolutionary robotic gripping systems for manipulation tasks applied to automation processes in the industry 4.0.

About the Master Thesis role

Developer in Human Machine Interface (HMI) topic applied to Humanoid Robotic Hand Gripper. The project will be supported in cooperation with Nibotics start-up company together with L3S Research Center from Hanover University in the frame of Vibrosense Datipilot project. Applications for part-time (freelancers), full-time or work student's (also thesis are possible) applications are welcome.



Main goal

The Master Thesis focuses on the development and implementation of a GUI App of the Humanoid Robotic Hand Gripper concept.

Specific Goals

- Develop a cross-platform GUI app for a humanoid robotic hand gripper using technologies like React Native, Kotlin, or .Net Multi, with USB and Bluetooth communication.
- Actuator Control: Precise manipulation tasks by humanoid robotic hand actuators.
- Sensor Integration: Visualizing and processing tactile sensor data to enable feedback mechanisms within the simulation.
- GUI App Development: Enable communication between the robotic gripper's sensors and the GUI app via USB and Bluetooth.
- GUI Application Documentation: Detailed design and development documentation.
- Fluency in English. German or Spanish languages would be a plus.
- Motivation to work in a team and contribute to work and help.
- Autonomous working habits.

What we offer you

- Part-time or full-time job with competitive pay.
- Flexible home office work time.

Have we sparked your interest? Contact us!

Please send us an email to contact@nibotics.de including:

- CV resume.
- Short statement of motivation and the topics you are interested in.