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# Bachelor/Master Student (f/m/x) in Mechanical Design for Robotics Startup

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**Nibotics**<sup>®</sup> 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

We are looking for a bachelor/master student for the support development of a Humanoid Robotic Hand Gripper Product. Within the project there is also the possibility of developing a bachelor's or master's thesis. The project will be supported in cooperation with research institutions together Nibotics start-up company.

## Your responsibilities include

You will support the R&D activities of development particularly in design, build and assembly mechanical components to ensure optimum mechatronic performance of the Humanoid Robotic Hand Gripper Product.

## Tasks

- Technical support with the activities of design, assembly and testing of electronic components for development Humanoid Robotic Hand Gripper.
- Assistance with the simulation, rendering and animation of 3D mechanical design activities.

## What you must have

- Studies in Mechanical Engineering, Industrial design, Robotics, Mechatronics or comparable qualification.
- Successful experience in CAD Design & 3D Modelling from the ground up and comfortable starting from a blank sheet of paper.
- Understanding of mechanical concept design together with selection of mechanical components (screw, nuts, gears, springs, snap rings, ball bearings, actuators, etc.).
- Practical experience in 3D printing with different materials together with design parts for CNC/Milling machine.
- Participate in design reviews, optimize 3D models for performance and efficiency.
- Competent in CAD Design & 3D Modelling software (Fusion 360, Catia, Solid Edge, Solid Works or similar).
- 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 payment.
- Flexible home office work time.

## Have we sparked your interest? Contact us!

Please send us an email to [contact@nibotics.de](mailto:contact@nibotics.de) including:

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

