
Bachelor/Master Student (f/m/x) in Electronic Hardware for Robotics Startup

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

We are looking for a bachelor/master student interested in supporting R&D activities for the 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 Nibotics start-up company together with research institutions.

Your responsibilities include

You will support the activities of electronic concepting, design, development & assembly of electronic components into the PCB to ensure optimum electronic hardware 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

- Student in Electronics/Electrical Engineering, Robotics, Mechatronics, Computer Science or comparable qualification.
- Practical experience of building electronic hardware from the ground up and comfortable starting from a blank sheet of paper.
- Understanding of analog & digital circuits (DC motor control, op-amps, switching regulators, gate drivers, microcontrollers, PWM, SPI, I2C, etc.).
- Practical software engineering experience with C++, Python and ROS would be a plus.
- Competent in PCB CAD software (Eagle/Fusion 360, Altium, KiCad 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 including:

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