



INTERNSHIP: STUDENT PROJECT “INTELLIGENT CRANE”

 Career level: Student

 Industry: Robotics

 Location: Greater Munich

With a 1200-strong workforce, ITK Engineering GmbH is an internationally renowned technology company that sets itself apart with its exceptional expertise in digitalization, electrification, automation, and connectivity of systems. Come join a globally expanding technology partner and help shape your future through innovative strength, high quality standards, and a passion for new technologies.

Your tasks:

- Together we will build a model of the **intelligent crane of the future**. The goal of the crane is to find and get objects autonomously and deliver them to a storage avoiding obstacles
- Your task will be to help with **developing an API** to actuate the crane sensors and actuators in an ROS environment, as well as getting to work with a modern and powerful embedded platform for autonomous driving.
- With ITK you will have the opportunity to work with **highly experienced professionals** in the most interesting IT field of the near future

Your profile:

- **Studies** of electrical engineer, mechatronics, computer science or a similar field of studies
- Experience in working with **ROS**
- Experienced in working with **embedded systems**
- **Hardware affinity**
- Knowledge in **C++**
- **Structured** procedures in development processes
- High **quality awareness** and **team spirit**

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