

< SEW Internship Job description >

Trainee in the field of research technology- Modular conveyor system (f/m)

Development and innovation | Student | Bruchsal

Move the future

High-tech machines and IT systems, electronics at world level, networking with many industries makes you curious?

In our Research Technology department you lay the foundation for your future and experience technology up close.

Duration: 6 months

Start: from now on

Your tasks

- You adopt the system integration of control and communication modules
- Furthermore, you will adjust the hardware and program a control module
- The testing and creation of a visualization software are also part of your tasks
- Finally, you will create a meaningful documentation of your work

Your Qualifications

- Studies in mechatronics, electrical engineering or computer science
- Knowledge in the programming languages C / C ++ is an advantage
- Communication and team skills
- Self-initiative and self-reliance

Trainee in the field simulation mobile robotics (f/m)

Development and innovation | Student | Bruchsal

Move the future

High-tech machines and IT systems, electronics at world level, networking with many industries makes you curious?

In our Research Technology department you lay the foundation for your future and experience technology up close.

Duration: 6 months

Start: from now on

Your Tasks

- You are working on the topic of simulation of mobile robots
- In the following you will develop a general concept for virtualization of different components of a mobile robot
- You validate the created concept using selected components
- A comprehensive documentation of the work rounds off your task area

Your Qualifications

- Studies in mechanical engineering, electrotechnics, computer science or mechatronics
- Programming skills in C, C ++ or C #
- Ideally knowledge in mobile robotics
- Analytical thinking and abstraction ability
- You are capable of effective self-organization and self-responsible action

Trainee in the field of computer technology - location and navigation of mobile assistance systems (f/m)

Development and innovation | Student | Bruchsal

Move the future

High-tech machines and IT systems, electronics at world level, networking with many industries makes you curious?

In our Research Technology department you lay the foundation for your future and experience technology up close.

Duration: 6 months

Start: from now on

Your Tasks

- You assist in the implementation of a software module for the location and navigation procedure for mobile assistance systems
- You will be able to take a theoretical view of a method for positioning and navigation using different sensor data
- You integrate and implement a selected process in an FPGA or a processor
- The commercialization and documentation round off your area of responsibility

Your qualifications

- Studies in mechatronics, electrical engineering or computer science
- Knowledge of the programming languages C / C ++ is an advantage
- Communication and team skills
- Self-initiative and self-reliance