



HiWi position

Software Development for Agrimechatronics

The Chair of Agrimechatronics at Technical University of Munich (TUM)

invites for applications for a HiWi position. M/F/D. Applications from disabled persons with essentially the same qualifications will be given preference. TUM strives to raise the proportion of women in its workforce and explicitly encourages application from qualified women.

About the position

As a HiWi at the Chair of Agrimechatronics you will support research projects with tasks that focus on software systems and software development for automating agricultural machinery. The tasks may include for example diverse programming tasks, algorithm development, machine learning, and implementing interfaces to different software and sensor systems.

The position is initially limited to 6 months. The number of working hours can be from 7 to 20 hours per week, arranged on workdays that fit the student's schedule. The Chair of Agrimechatronics operates mainly in Freising/Weißenstephan (Dürnst). Partially remote work is possible.

About us

The Chair of Agrimechatronics (Prof. Oksanen) studies especially Intelligent Machines for Agriculture. The research themes include topics like tractors and other agricultural vehicles and robots, tractor-implement automation, communication technologies for vehicles, navigation, guidance and planning, positioning systems, model-based control of mechatronic systems, drives and power systems, and robotic implements.

Your qualifications

- Good skills in one or several of the following topics: software development, communication technology, embedded systems, mechatronics, robotics
- Good programming skills in one or several of the following languages: Matlab, Simulink, C/C++, Python
- Practical experience with agricultural machinery and farming is beneficial
- Fluent language skills in written and spoken English

Application process

Start: as soon as possible. Send your application in English by email to amx@wzw.tum.de with title "HiWi application software development" including

- A short email elaborating your background and motivation
- Curriculum vitae (CV) in English and current transcript of records of your studies

Data Protection Information: When you apply for a position with the Technical University of Munich (TUM), you are submitting personal information. Data protection information according to Art.13 of the data protection basic regulation (DSGVO) for the collection and processing of personal data in the context of your application. By submitting your application, you confirm that you have acknowledged the above data protection information of TUM.