

Open position



Student Assistant (HiWi)

Website Development for Benchmark Suite

To advance the mobility transition and expand the capacities in rail transport, automated systems are needed that improve the scheduling, punctuality, and safety of trains. For this purpose, the Institute of Measurement and Control Systems (MRT) is developing a benchmark suite designed to support researchers in advancing AI models for environmental perception in railway scenarios. A key element of this project is a website that allows users to download training data and upload their predictions on test data.

We are looking for a student assistant to support us in designing and implementing this website. Depending on your experience and interests, tasks may involve creating a user-friendly interface for dataset downloads, implementing a secure system for uploading prediction results, or focusing on design and usability aspects. You should be familiar with web development languages such as PHP, Django, HTML, CSS, and JavaScript.

A good example of the desired functionality is the Website of the KITTI Vision Benchmark Suite, which hosts a well-known benchmark suite for automated driving research.

The working hours are flexible, can be adapted to your university schedule, and you can work from home if you prefer.

Are you interested in contributing to the automation of railway traffic and supporting the transition to sustainable transportation? Do you want to gain hands-on experience in web development and work on a meaningful real-world project? I am happy to answer any questions you might have. I look forward to your application!

Institute of Measurement and Control Systems (MRT)
Prof. Dr.-Ing. Christoph Stiller

Advisor:
Annika Bätz, M.Sc.

Required skills:

- Experience in creating websites using languages like HTML, CSS, JavaScript, PHP, and Django
- Structured and reliable work approach
- Work independently

Language(s):
German or English

For more information please contact:

Annika Bätz

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Or directly send in your application including your **current grades** as well as a short **description of your experience** with website development. (Feel free to also hand in some project code to demonstrate your experience!)