Student job (HiWi m/w/d)

Scientific Support for Machine Learning Applications

We are happy to announce that we are currently looking for a highly motivated, independently working and ambitious student for the student job outlined below.

Within a new research project we develop an AI-driven brake system control strategy for electrified vehicles. Using deep learning, we aim at predicting the friction sounds and brake particle emissions of real braking systems in collaboration with automotive manufacturer and suppliers, such as AUDI AG, VW AG and Hitachi Astemo. This student position will support our machine learning team in building and validating networks and optimize existing code for efficiency and data throughput. This position offers the opportunity to work on own projects in the field of dynamics and machine learning according to individual preferences and ideas.

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Your tasks:

- Performing hyperparameter studies for deep learning models
- Coding utility routines for data handling and evaluation
- Code reviews and software/hardware performance optimization

Your profile and skills:

- Profound programming skills in Python programming
- Knowledge of Machine Learning
- Structured way of thinking, working, and communicating
- Commitment for at least 6 months

Sounds like a job for you?
Reach out to us at charlotte.geier@tuhh.de and m.stender@tuhh.de!

Hard facts: open from January 2022, from 25-35h/month, flexible working times

Dynamics Group (M-14) (www.tuhh.de/dyn)
Hamburg University of Technology