Hiwi Position

Assembling a New Autonomous Vehicle for Cognitive Automobile Lab

Are you interested in software and hardware challenges for assembling a fully autonomous racing vehicle? Are you interested in embedded systems, controlling servomotors and online processing of sensor data? If yes, we need you to help us in order to build a new racing vehicle (1/10 scale) for our Cognitive Automobile Lab.

We provide you general instructions and tutorial documents. There will be also weekly meetings to have discussions and trying to solve problems together. If you are interested, I am happy to answer your questions or directly send me your application.

Institute of Measurement and Control Systems (MRT)
Prof. Dr.-Ing. Christoph Stiller
Advisor:
Danial Kamran, M.Sc.

Programming language(s):
C++ proficient

System, Framework(s):
Linux, ROS

Required skills:
- Prior experience with embedded systems and robot control
- Work on your own

Language(s):
German, English

For more information please contact:

Danial Kamran
Room: 234 → just come by!
Phone: +49 721 608-44070
Email: danial.kamran@kit.edu

Or directly send in your application including your current grades as well as our questionnaire.

1 skill levels:
beginner < 500 lines of code (LOC)
advanced 500 – 5000 LOC
proficient > 5000 LOC