

Looking for a student job?

Student Assistant at Control Systems group

The Control Systems group is building 2 test-setups based on the f1/10 framework (see www.f1tenth.org) for semi-autonomous driving. These setups will be used to investigate challenges in semi-autonomous driving.

We are looking for a very motivated student assistant with programming experience or experience with related hands-on projects. More precisely, the following tasks are available:

1. Hack a basic steering (game) wheel and make it a sensor node for ROS,
2. Interface a webcam with ROS,
3. Prepare semi-mature tooling (Python/C+) and manuals that can be used in the course,
4. Let f1tenth cars drive interchangeably autonomously and manually via steering wheel.

We are looking for a student with a creative problem solving mindset that has experience with:

- **Programming ROS and or Python**, or
- **Mechatronic assembly** (micro controllers, PCB assembly)
- Linux environment
- opensource coding and Git, Github, Gitlab is a bonus

Start date and working hours will be determined in consultation with the student.

Contact for more information
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Will Hendrix (W.H.A.Hendrix@tue.nl).

Electrical Engineering – Control Systems group



GitLab