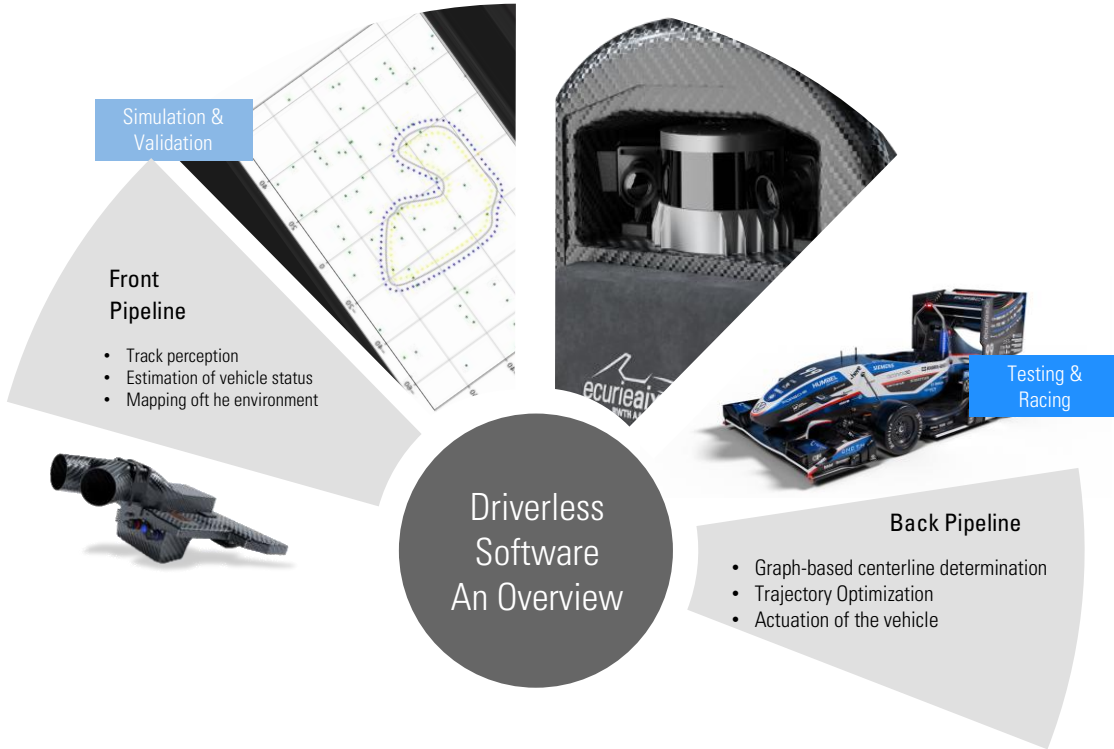


Driverless Software - Simulation



One Goal.
One Team.

Would you also like to accompany your code from editor to racetrack? Apply on our homepage!



www.ecurie-aix.de/bewerbung

What are the goals of the simulation?

Do you want to be a part of a team that is pushing the limits of technology? Do you want to be part of a team that is pushing the limits of what's possible in the world of driverless cars? If so, then you are at the right place in our team.

Our aim with the simulation is to gain valuable experience about the behavior of our vehicle and our software in all situations that we may encounter during an event, even without test time on the track. We simulate every step in order to control the entire process with our software, from recognizing the environment and planning the route through it to controlling the motors and the desired steering angle. Your task during the software project internship will be to further develop this simulation together with another student in various areas. You will also support the team in the construction of our new vehicle and have the opportunity to experience our test season and the works in a racing team at first hand.

What will be your tasks?

- Development of our simulation environment
- Software Development in Python, C++, ROS
- Documentation of your Work
- Manufacturing of our car
- Collaborate with other members of the team
- Taking in part in group and team meetings

What are our requirements for you?

- Motivation & Team Oriented
- Good programming skills in C++ or Python
- Willingness to join our weekly meetings
- Experiences with ROS are beneficial
- Ability to use Ubuntu in a Dual-Boot system
- Good communication and problem-solving skills

