

UGent Racing 2025 - 2026

TEAM MECHANICAL VEHICLE DYNAMICS ENGINEER



OUR STORY

UGent Racing is a team of more than **90** ambitious, motivated and talented **students** who build an **electric** and **autonomous driving race car**. UGent Racing aims to participate in the **Formula-Student** Competitions which are organized during the summer months across different European countries. Moreover, UGent Racing intends to have a **positive impact on society** by contributing to the mobility of tomorrow and forging higher education of the future.

YOUR RESPONSIBILITIES

As a suspension & vehicle dynamics engineer, you will **design and simulate a suspension system** for our next generation racecar. This starts by calculating and deciding the characteristic angles of the wheels (caster, camber, king pin indication...) to **optimize the handling of the racecar**. A push rod suspension system can be designed whilst considering constraints such as suspension travel, rim size and integration of the suspension system. You will need to make a CAD-model of the suspension system, taking the production and assembly process into account. Lastly, you will **build, test and optimize** the system.

YOUR PROFILE

- Highly motivated
- Committed
- Responsible
- Communicative
- CAD-skills
- Simulation-skills for dynamic vehicle models

OUR OFFER

- Be part of a young, ambitious team of students
- Apply your theoretical knowledge in a real-life business case
- Get the chance to participate in the Formula Student Competitions
- Get insights in the design and workings of the suspension system of a race car

INTERESTED ?

Contact us through info@ugentracing.be if any questions would pop up.