

UGent Racing 2025 - 2026

TEAM MECHANICAL STEERING 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 steering engineer, you will **design and build a steering system** for the next generation autonomous race car. This starts by calculating the steering geometry and looking how different factors affect the **car's handling** whilst considering different constraints such as suspension travel, minimum turning radius and steering torque. The car also must be capable of **autonomous steering**. An actuator thus has to be designed and implemented. The next important step is the **CAD – modelling** of the system, taking in to account the production and assembling process. Lastly, you will **build and test the system**.

YOUR PROFILE

- Highly motivated
- Committed
- Responsible
- Communicative
- Experience in CAD design
- Knowledge of mechanical engineering

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
- Play a key role in optimizing the handling and feel of the next generation race car

INTERESTED ?

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