

# UGent Racing 2025 - 2026

## TEAM MECHANICAL TRANSMISSION ENGINEER



### OUR STORY

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**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

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As a transmission engineer, **you are responsible for the design and production of the transmission** side of the powertrain of the next generation race car. The goal of the transmission is to transfer the power from the motors to the wheels. You are dealing with fast moving, highly loaded parts critical the performance of the car. These are first designed by you and then optimized for weight and ease of manufacturing using **CAD models and simulations**. Finally, you need to assemble all these components and follow up on the behavior of the transmission during testing and racing.

### YOUR PROFILE

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- Highly motivated
- Committed
- Responsible
- Communicative
- Experience in CAD design
- Experience in CAD simulations
- Out of the box thinking

### OUR OFFER

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- 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 valuable CAD experience using Siemens NX

### INTERESTED ?

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Contact us through [info@ugentracing.be](mailto:info@ugentracing.be) if any questions would pop up.