

# UGent Racing 2025 - 2026

## TEAM MECHANICAL WHEELS & BRAKES 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 wheels & brakes engineer, you are responsible for the **design and production of the wheel side of the powertrain** of the next generation race car. The wheelhub includes every rotating component outboard of the chassis and the uprights. The components are highly and dynamically loaded and critical to performance. An important part of the design is to optimize the weight of these parts using **CAD models and simulations**. You are also responsible for the **brakes**, a critical component for performance. You will need to work together closely within your own team but also the transmission and suspension team.

### YOUR PROFILE

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- Highly motivated
- Committed
- Responsible
- Communicative
- Experience in CAD design
- Experience in CAD simulations

### 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
- Receive 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.