



UGent Racing 2024 - 2025

Aerodynamics

Aerodynamics Engineer



OUR STORY

UGent Racing is a team of more than **80** ambitious, motivated and talented **students** who build an **electric** and **autonomous driving race car**. The team consists both of engineering students and business students. 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 an aerodynamic engineer, you will be part of the **Aerodynamics subteam**. The general goal is **reducing drag, downforce** whilst limiting the weight. To achieve this goal, UGent Racing is recruiting aerodynamic engineers to research and develop the knowledge and practical know-how on aerodynamic design. The to-be-designed parts consist of: the front wing, the rear wing, the sidepods and of course the livery.

In a first stage, this will involve **numerical validations and simulations** in specific software (Star-CCM+). In a second stage, you will be partially responsible for **manufacturing** these components.

YOUR PROFILE

- Highly motivated
- Committed
- Open-minded
- Communicative
- Basic knowledge about aerodynamics
- A passion for simulations & aerodynamic design

OUR OFFER

- Be part of a young, ambitious team of engineers and business students
- Apply your theoretical knowledge when developing useful applications
- Get the chance to participate in the international Formula Student Competitions
- Learn to design with composites. Additional education/training will be provided
- Experimenting with composites

INTERESTED?

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