

## Aero

# Aerodynamics Engineer



### OUR STORY

**UGent Racing** is a team of more than **70** ambitious, motivated and talented **students** who build an **electric** and **autonomous driving racecar**. 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 aerodynamics engineer, you will be part of the **aerodynamics subteam**. This team is responsible for developing the total aerodynamic package on the UGent Racing car. The main task is thus to improve aerodynamic efficiency of the car. This implies **increasing the downforce** to improve the cornering speed, while **limiting** the side effect of **drag**. The total aerodynamic package will include the front wing, rear wing (including endplate design), sidepod area, undertray and diffuser. As a member of this team, you will be responsible for **designing and validating** your own aerodynamic component using both **CAD and CFD** software. During this design you will **work closely together** with your teammates to regulate the airflow of the entire car.

### YOUR PROFILE

- Highly motivated
- Committed
- Open-minded
- Communicative
- You are experienced with CFD design or (will) take the CFD course by prof. dr. ir. Degroote
- Experience in CAD 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
- Get more practical experience from working with CFD packages
- See your design coming together in real life

### INTERESTED?

Fill in [this form](#) together with your resume and motivational letter and we'll reach out to you soon. Contact us through [recruitment@ugentracing.be](mailto:recruitment@ugentracing.be) if any questions would pop up.