

Autonomous

Simulation 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 a simulation engineer in our Autonomous team, your expertise in modelling and designing vehicle models will be crucial in ensuring the success of our race car. You will work on creating a **digital twin** of our race car using **Unreal Engine** allowing us to test and predict driving behaviour before hitting the track. This requires an understanding of control theory. In addition, you will work on **CI/CD tests** ensuring that there is enough feedback generated from the simulations. You will have the opportunity to work with cutting-edge technologies and contribute to the development of our next-generation race

YOUR PROFILE

- Knowledge of automation & control engineering
- MATLAB & Simulink experience
- Highly motivated
- Committed
- Open-minded
- Communicative
- Creative

OUR OFFER

- Be part of a young, ambitious team of engineers and business students
- Get the chance to work on an actual self-driving car
- Apply your theoretical knowledge when developing useful applications
- Get the chance to participate in the international Formula Student Competitions
- See your own design come to life on the new race car

INTERESTED?

Contact us through recruitment@ugentracing.be. If any questions would pop up, please feel free to ask.