UGent Racing 2024 - 2025

Low Voltage

Electronics 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 intents 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 electronics engineer you will be part of the **low voltage subteam** of the Electrical team. This team is responsible for all electrical components working on low voltage in the UGent Racing car. This system consists of **analog and digital circuits, sensors, safety devices and communication devices**. As a member of this team you will be responsible for **designing and testing your own circuits and PCBs** and selecting the correct components. Besides building our own circuits, we also program microcontrollers to process or to display information (to the driver on the dashboard for example). You will **work closely together** with your teammates and with other (sub)teams such as the high voltage, accumulator and autonomous teams to let all components communicate and work with each other.

YOUR PROFILE

- Highly motivated
- Committed
- Open-minded
- Communicative
- Knowledge of electronics
- Eager to learn circuit- and PCB-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
- Thorough training in developing the low voltage system of an electric race car. Gaining knowledge in a wide variety of components and design aspects

INTERESTED?

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