UGent Racing 2025 - 2026

TEAM ELECTRICAL
SOFTWARE ENGINEER

OUR STORY

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 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 a software engineer in the electrical team you'll work in close collaboration with a lot of different teams.

You'll be working with the low voltage subteam and their PCBs and you'll be responsible for all code running on the embedded microcontrollers on the PCBs. You'll also work with the autonomous subteam to ensure all electrical systems, like the brakes, sensors and motors, respond to the autonomous actions of the car. Last but not least, you'll work together with the accumulator subteam to program a custom Battery Management System (BMS).

YOUR PROFILE

- Highly motivated
- Committed
- Responsible
- Communicative

- Proficient in C/C++
- Basic electronics knowledge
- Creative problem solving

OUR OFFER

- Be part of a young, ambitious team of students
- Apply your theoretical knowledge in a real-life case
- Insight into embedded program in close collaboration with different areas of expertise
- Get the chance to participate in the international Formula Student competitions

INTERESTED ?

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