



UGent Racing 2022 - 2023

Autonomous Hardware 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 a hardware engineer, your main focus will be working with **microcontrollers**, **actuators** (mainly BLDC/stepper motors) and **sensors** (like GPS and IMU). You'll be primarily working inside our **Hardware subteam** on topics like CAN networking, sensor readout and the design & control of our autonomous steering and braking system. We work with technologies like Teensy, ODrive, and professional grade sensors (with partners like Melexis and CNH Industrial).

YOUR PROFILE

- Microcontroller experience
- Basic mechanical knowledge
- CAD/design knowledge is a plus
- Highly motivated
- Committed
- Open-minded
- Communicative

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
- Hone your technical and soft skills in a fun and engaging (sub)team.

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 if any questions would pop up.