



# UGent Racing 2022 - 2023

## Autonomous Software Engineer Perception



### 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 software engineer in our perception subteam, your main focus will be working with **camera's**, **LiDARs** and **Machine Learning**. You'll be primarily working inside our **Perception subteam** on topics like cone detection, depth estimation and machine learning optimisation. We work with technologies like YOLO, keypoint detection, and PnP. Our hardware is professional industrial equipment from Baumer and Ouster, so you'll be working with real-world products.

### YOUR PROFILE

- Interested in Machine Learning
- 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](mailto:recruitment@ugentracing.be) if any questions would pop up.