

Autonomous

Software Engineer SLAM



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 Simultaneous Localization & Mapping subteam, your main focus will be to design, evaluate and improve our **SLAM** framework. This subteam forms the **core of the autonomous pipeline** and is vital for autonomous driving. You'll primarily be working on topics in **signal processing**, statistics, **sensor fusion** and algorithmics. SLAM works with data coming from both our **simulator** and real-world data from our **self-driving platform Pegasus**. Gather statistics and finetune hyperparameters of our existing algorithms or modify the architecture itself.

YOUR PROFILE

- Analytical mindset
- Interested in signal processing/statistics
- 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 platform: Pegasus
- Apply your theoretical knowledge when developing useful applications
- Get the chance to participate in the international Formula Student Competitions
- See your own design coming alive on the new UGent Racing car

INTERESTED?

Send us 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, please feel free to ask.