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 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 our Simultaneous Localization and Mapping (SLAM) subteam, your primary responsibility will be to **design, evaluate and enhance our SLAM framework**. This subteam plays a crucial role in the autonomous pipeline and is essential for autonomous driving. As SLAM holds a central position, you will also be responsible for general systems such as the **autonomous state machine** and the **overall maturity of the stack**. You will work with **data from both our simulator and real-world data** form our self-driving platform Pegasus. Your tasks will include **gathering statistics**, finetuning hyperparameters of existing algorithms, and modifying them to improve their performance.

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?

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, please feel free to ask.