Driverless
Perception Engineer

FEB
FORMULA ELECTRIC BELGIUM

Green innovation meets performance

Our Project

Formula Electric Belgium is a student-based race team that pushes green innovation to performance. We design and build our own electric race car each year to participate in international Formula Student competitions. We are looking for pioneers to challenge the status quo and bring our top-notch electric race car to the next level. As a postgraduate student, you will research, design, and test your systems together with a group of highly motivated students. You will innovate together with your team members and numerous companies to develop our next generation formula student race car.

Function

As the Perception Engineer, you will be responsible for improving the **vision** of the driverless car. This includes:

- Improving the algorithms for **vision of the track when it rains**

- Implementing **machine learning** for the cone detection with object detection

- **Improve the ground removal pipeline** to have a better detection of the track

- Continuously monitoring/evaluating the performance of the car and making adjustments if necessary

Profile

- Bachelor/Master in Engineering Science/ Technology or Informatics

- Experience in Object-Oriented Programming and C++

- Well-organized

- Communicative & Team Player

Returns

- A unique engineering experience
- Developing your hard– and soft-skills in a company-like environment
- Work with the newest technologies and innovative companies
- Work in a team with a network of well over 120 partners
- A summer season packed with competitions all over Europe
- An experience of a life-time!

Up for the challenge?

You think you're the right person for this job? Don't hesitate to submit your resume and cover letter at our website:
https://formulaelectric.be/join-us-postgraduate/