

ELECTRONICS

Software Engineer: Path Planning



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 the international Formula Student competitions. This year, 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, test your systems together with a group of highly motivated, ambitious students. You will work together with your team members and numerous companies to develop new innovations.

Function

As Path Planning Software Engineer, you will be responsible for improving the performance of the **driverless package**.

The primary focus of this role will be to improve the performance of our **autonomous vehicle** by re-architecting the path planning algorithm to enable the car to drive more efficiently. As a key member of our team, your responsibilities include:

- Reworking the **path planning algorithm** to optimize the vehicle's driving lines
- Implementing **machine learning techniques** to enhance the vehicle's decision-making abilities
- Continuously monitoring and evaluating the vehicle's performance, making adjustments as necessary

Profile

- Bachelor/Master Engineering Science, Engineering Technology or Business Engineering
- Well-organized
- Communicative
- Team player

Returns

- Experience in a unique field of expertise
- Gain exposure to cutting-edge technologies and industry-leading organizations
- Possibility to network and cooperate with international stakeholders
- A summer packed with international racing competitions!

Up for the challenge?



Submit your **resume** and **motivation letter** (one page) to recruitment@formulaelectric.be