



Open position – *Electrical Engineering*

On-Board Computer

YOUR DEPARTMENT

The electrical engineering department brings the vehicle to life. Its main area of responsibility includes the design, manufacture and integration of the electrical systems required to operate the vehicle. This includes the implementation of efficient solar cells, the integration of batteries, the powertrain and the control electronics. Reliability and energy efficiency have the highest priority to ensure smooth running of the races.

YOUR TASK

At Team Sonnenwagen, you will drive the development of the on-board computer and enable the electrical components to work together. You will be in close contact with your colleagues from electrical engineering and driving strategy, with whom you will discuss the interfaces in the next Sonnenwagen and think through complex protocols. Since the on-board computer is a very free component, you can always prove yourself creatively. Your willingness to learn is more important than your previous knowledge. Whether you optimise the display, make the data transmission to the escort vehicle more robust or design a new circuit board - you always have an exciting and challenging task with the on-board computer!

WHAT YOU BRING TO THE TEAM

- Student in electrical engineering, computer engineering or a similar field of study
- High level of commitment and motivation
- Experience with microcontrollers and version control systems is advantageous
- Programming knowledge in C is desirable
- Taking responsibility and working independently

WHAT WE OFFER YOU

- Development of one of the most efficient solar cars in the world
- Opportunity to apply your theoretical knowledge in practice and implement your own ideas in an exciting environment
- Use of C within the scope of a demanding project
- Contact to potential employers and the development of a professional network (in industry and research)
- THE experience of your studies!

APPLICATION

Please apply exclusively via the application form on our website:

www.sonnenwagen.org/join



Address: Eilfschornsteinstraße 12, 52062 Aachen
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TEAM
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