



Open position – *Driving Strategy*

Weather

YOUR DEPARTMENT

Even the best solar car in the world is not enough to win the world championship. We in the driving strategy department are concerned with getting the maximum performance out of our solar car. The goal is to drive as efficiently as possible, using wind, weather and gradients to our advantage to get to the finish line as quickly as possible. During the race we are responsible for all tactical decisions and hold the reins for a flawless race. In order to be prepared for all eventualities, we are constantly developing various tools in the driving strategy. These include, for example, the data link between the sun car and the support vehicle, a digital vehicle model, visualisation of weather and vehicle data as well as the optimisation of the speed curve.

YOUR TASK

Without knowing the weather, we cannot make any reliable optimization for the race - that's where you come in!

Your task will be to observe and evaluate the weather so that everything runs smoothly during the race. For this purpose, you will have weather stations and forecasts at your disposal, whose data you will analyse and visualise with the help of self-developed tools. In addition to providing all the data, it is also your task to interpret this data and, if necessary, to make your own forecasts. Does that sound like too much data analysis and not enough programming? Don't worry, because in the future our tools will need many more features that you will develop.

WHAT YOU BRING TO THE TEAM

- Enthusiasm for the project!
- Student in computer science, data engineering or a comparable field of study
- Experience in programming, ideally in Python
- Existing knowledge in meteorology or desire to read up on the subject

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 Python 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

