



Open position – *Driving Strategy*

Network Development and Operation

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

To ensure a flawless race operation, we as strategists depend on a variety of support systems. Part of those are a stable internet connection via satellite, radio devices for the communication within the race convoy and the technical infrastructure in the escort vehicle. Next to the hardware, there are required digital tools such as a server environment and a route notes app. You are responsible to ensure the availability of foundational building blocks during crucial situations and have the opportunity to independently and creatively create solutions.

WHAT YOU BRING TO THE TEAM

- Student in computer science, data engineering or a comparable field of study
- Experience in programming, ideally in Python and Shell
- First knowledge and experience in amateur radio and network and System administration is advantageous
- High level of commitment, learning ability and motivation

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, Linux, Git and Docker 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



Adress: Eilfschornsteinstraße 12, 52062 Aachen
Email: kontakt@sonnenwagen.org
Web: <http://www.sonnenwagen.org>



Contact person:
Lina Schwering
l.schwering@sonnenwagen.org
Mobil: +49 1781347560