



## What is the Simulation Development about?

Next to design, CFD simulation is the second important basic building block of aerodynamics development. The simulation setup always offers new challenges: From turbulence models to grid analysis, there are practically endless possibilities to optimize the CFD simulation and thus calculate even better results for the car.

You would be responsible for the further development of the simulation in the aerodynamics group. After your familiarization with the subject area, your efforts will enable the development of completely new aerodynamic components and thus strengthen the competitiveness of our club.

## What will be your tasks?

- Further development of the simulation workflow in Star-CCM+ and NX
- Development of Java macros for further automation
- Cooperation in mechanical tasks (e.g. manufacturing of aerodynamic components)
- Collaboration in cross-group tasks (e.g. testing, event qualification)

## What are our requirements for you?

- Motivation and team spirit
- Interest in Aerodynamics & CFD-Simulation
- Participation in weekly appointments
- Preferably studies in the field of mechanical engineering, physics, CES, computer science
- Prior knowledge of CFD-Simulation and Java.
- Ideally first experience with STAR-CCM+



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