

# Join Space Team Aachen

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## Propulsion Structural Engineer

### Space Team Aachen Hybrid Rocket - STAHR

#### About Space Team Aachen

The Space Team Aachen is a space science association founded by students of the Aachen universities. Our team is formed of ambitious students from a variety of fields who share the fascination for space exploration. Our team designs, builds and flies experimental rockets and scientific experiments. We set high, challenging goals in order to reach our best performance. We believe in equality and stand for the exchange of our aggregated knowledge.

#### Your responsibilities

You will be working on Aachen's first hybrid rocket aiming to reach 10 km in altitude as part of the DLR STERN program. As part of the propulsion team, you will be in charge of designing the structural components of the hybrid rocket engine. Your tasks include:

- Work within the propulsion team to understand the structural requirements of the engine and the interfaces with the STAHR rocket
- Designing engine components in Siemens NX
- Verifying your designs using FEM simulations
- Overseeing the manufacturing process
- Validate your design through engine tests

Project begin: immediately

#### Our requirements

- Highly structured and organized way of working
- Fascination for rocket science
- High motivation, reliability & availability
- Very good understanding of mechanics
- Knowledge in FEM is a plus
- Knowledge in composite materials is a plus
- Knowledge of English and German

#### What do we offer

- Be a part of the development of Aachen first ever rocket engines
- Work on hands-on space project
- Take part in engine hot fire test campaigns
- Have autonomy and responsibility
- Contact with experts in Aachen, DLR and industry
- See your project be built and launched in the near future

#### Your contact

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