

# Join Space Team Aachen

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## Avionics & Electronic Engineer

### TRACER

#### About Space Team Aachen & TRACER

The Space Team Aachen is a space science association founded by students of the Aachen universities. 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.

TRACER is one of these scientific experiments and it's an acronym for **TR**Anspiration **C**ooling **E**xperiment **R**evisited. We address one of the most important questions in the field of reusable spacecrafts: the thermal protection system. Therefore we plan an experiment on reusable heat shields using transpiration cooling and plan to launch it with a sounding rocket from the northernmost point of Sweden. So, if you want to shoot your own work into space and want to be part of a highly motivated team of space enthusiasts, TRACER is the right place for you!

#### Your responsibilities

You are part of the TRACER avionics team in the electronics department. You will design PCBs for STM32 integration with focus on capturing and processing temperature data. Besides that, an interface for REXUS needs to be implemented. To achieve this task, you will be using Kicad. You will work independently and in close coordination with the software team.

#### Our requirements

- Student at RWTH or FH Aachen
- Ability to take responsibility and work independently
- High motivation & reliability
- Fluent in English or German
- Experience with Electronics & Hardware
- Experience with PCBs

#### What do we offer

- Be a part of a team of an association with close to a 180 members and some of the largest aerospace projects in Aachen
- See your work launch into space!
- Interdisciplinary teamwork in a highly motivated team
- Apply your theoretical knowledge in a real-world project
- Get in touch with like-minded people

#### Interested ?

Send your application to  
[application@sta.rwth-aachen.de](mailto:application@sta.rwth-aachen.de)

