

Join Space Team Aachen

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RF Engineer

Project Aquila - Avionics

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

Space Team Aachen is currently building a supersonic rocket to be launched at the Spaceport America Cup in 2023. The preliminary design phase is almost completed and the key focus now lies on testing and manufacturing the various subsystems. You will be working in the avionics team which is crucial for recovery, tracking and communication of the rocket.

Your tasks will be:

- **Simulation** of antenna radiation patterns
- **designing** the onboard antennas and related hardware
- **Manufacturing**, testing and validation
- Presentation and documentation of your design process
- Prepare and carry out the **launch**

Project begin: immediately

Our requirements

- Previous knowledge in rocket design and/or operation is **not** required !
- Student at the RWTH or FH
- Fascination for rocket science
- High motivation and reliability
- Able to work in a team of students
- **Experience in RF** technology and component design
- Knowledge of English and German

What do we offer

- Design a rocket from scratch with other motivated students
- See your project be built and launched in the near future
- Receive technical insights to all aspects of rocket development, including mechanical and electrical design, manufacturing and testing
- Work on hands-on space project
- An autonomous work environment
- Participate in the largest European rocketry competition

Interested?

Send your CV and application to robert.klingenberg@rwth-aachen.de

