

Join Space Team Aachen

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Recovery – Design Engineer and Testing

Aquila

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 European Rocketry Challenge in October 2022. The preliminary design phase is almost completed and the key focus now lies on testing and manufacturing the various subsystems. You will be working on the recovery system which is crucial for a successful flight. Your tasks will include:

- CAD design of the recovery bay and ejection system
- calculation of shock loads and design of chute system
- manufacturing, testing and validation of the design
- presentation and documentation of the testing process
- launch preparation and execution

Project begin: immediately

Our requirements

- Student at the RWTH or FH
- Fascination for rocket science – no previous knowledge in rocket design/operation required
- High motivation and reliability
- Able to work in a team of students
- Knowledge of English and German
- expertise in CAD, understanding of drag forces and mechanical design

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
- Have autonomy and responsibility
- Participate in the largest European rocketry competition

Interested ?

Send your CV and application to aquila@sta.rwth-aachen.de

