Join Space Team Aachen

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Avionics Engineer

IKARUS

About Space Team Aachen

The Space Team Aachen is a space science association founded by students of the Aachen universities. Our team is made up of ambitious students from a variety of disciplines who share a fascination with 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 foster an open culture of shared knowledge.

Your responsibilities

As part of the IKARUS team, you will be designing and flying Space Team Aachen's next competition rocket with which we aim to compete in the European Rocketry Challenge in 2027. An experienced mentor will teach you the basics at the beginning.

Your tasks may include:

- Designing, assembling, and testing electronic circuits and custom PCBs
- Integrating and testing flight sensors
- Developing and debugging embedded hardware using microcontrollers
- Interfacing avionics with other subsystems and supporting ground and flight tests
- Supporting hot-fire tests and flight campaigns, ensuring reliability under extreme conditions

Our requirements

- Highly motivated, proactive, and eager to learn
- Available for at least two days per week
- Able to work independently and in a team
- Fluent in German and English (written and spoken)
- Preferred: experience with embedded systems, sensors, electronics, or DIY projects

What we offer

- Be part of an association with over 200 active members working on some of the largest student aerospace projects in Europe
- Work in a motivated, interdisciplinary team
- Apply your knowledge to real electronic hardware
- Gain hands-on experience from prototyping to system integration and testing
- Help develop the avionics of the IKARUS rocket
- Participate in the biggest rocketry competition in Europe and have fun!

Interested?

Send your CV (and a short motivation) to application@sta.rwth-aachen.de

Space Team Aachen e.V.
Email: application@sta.rwth-aachen.de
Web: www.spaceteamaachen.de

Registergericht: Amtsgericht Aachen
Registernummer: 5991

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