

HOPPER GNC Testing Engineer

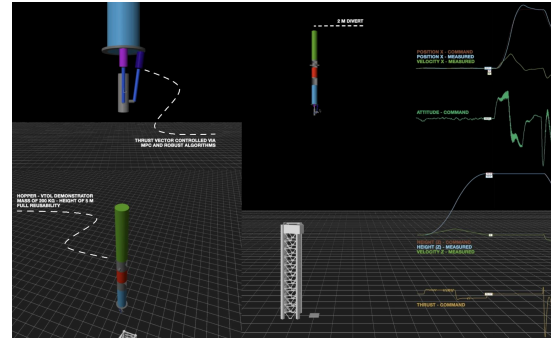


About Hopper

Hopper is one of Europe's most ambitious student rocketry projects. Our goal is to push the boundaries of student aerospace engineering by developing a throttling rocket engine, avionics modules, embedded software, ground systems, and more—all to demonstrate one of the first vertical landing rockets in Europe. We are looking for passionate and motivated students to join our journey. Prior experience in rocketry is not required—curiosity, dedication, and a drive to solve technical challenges are what matter most.

Your Role

As a Control Test Engineer, you will extend internal test capabilities and lead test campaigns to prove the robustness of Hoppers guidance, navigation and control (GNC) systems. Your work will include the refinement of current test setups for Hoppers thrust vector and roll control systems as well as the integration of a hardware in the loop setup to perform fully integrated hard- and software test with the flight hardware. Assisting our GNC engineers in test and flight campaigns will allow to iterate on and further increase the performance of Hoppers GNC systems. Ultimately your work will contribute to the core capability of the Hopper to demonstrate vertical take-off and landing as one of the first student teams.



Requirements

- Enrolled at RWTH Aachen University or FH Aachen.
- Highly motivated and eager to learn.
- Independent problem solver with strong teamwork skills.
- Fluent in German or English.
- Minimum of 8 hours per week

Technical Skills (preferred)

- Hands on experience with mechanical and electrical systems
- Experience with Hardware in the Loop setups is beneficial

What You'll Gain

- Be part of building Europe's largest rocket hopper.
- Apply your academic knowledge in real engineering challenges.
- Join rocket test campaigns and see your work in action.
- Build a strong network in the space industry.
- Develop practical experience with cutting-edge technology.

Application Steps

If you are interested in applying, please submit the following documents to application@sta.rwth-aachen.de:

1. **CV:** An up-to-date CV outlining your academic background, experience and relevant skills.
2. **Motivational Letter:** A short letter explaining your interest in the project, your qualifications, and how your goals align with our project.
3. **Description of past engineering projects** (if available): A document summarizing key engineering projects you have worked on, including your role, the project objectives and technologies used.

Please ensure all documents are in PDF format.

Step 1

Application Received

Step 2

Resume review

Step 3

Short Phone Call

Step 4

Interview

Step 5

Offer!



Space Team Aachen e.V.

Email: application@sta.rwth-aachen.de

Web: www.spaceteamaachen.de

Registergericht: Amtsgericht Aachen
Registernummer: 5991