

HOPPER Propulsion 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 Propulsion Engineer, you will take part in developing, testing, and operating our propulsion systems. You'll be part of the team that ensures our propulsion systems are tested safely and reliably, gaining experience with fluid systems, instrumentation, data acquisition, and test procedures.

We are especially looking for someone in the early to mid-phase of their bachelor's studies who wants to grow with the role. You'll start by assisting with test preparations or assembly work and gradually gain the knowledge and experience to take on more responsibility. Over time, you will have the chance to shape how we design and conduct tests for our engines.



Requirements

- Enrolled at RWTH Aachen University or FH Aachen
- **Highly motivated**, proactive, and eager to learn
- Available for **at least two days per week**
- Strong independent problem-solver who also thrives in a team environment
- Fluent in both German and English (written and spoken)

What You'll Gain

- Be part of building Europe's largest rocket hopper
- Apply your academic knowledge in real engineering challenge
- Learn how to test a rocket engine
- Build a strong network in the space industry

Technical Skills (preferred)

- Experience with CAD design is helpful
- Basic understanding of fluid mechanics and thermodynamics
- Know how to hold a wrench

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