

Intern System Engineer [6-months Internship] [f/m/d]

Work experience

Students

Location

Emmen

Workload

100%

YOU CAN MOVE IT

- Develop and implement encounter models for unconventional airspace users using expert knowledge, MIT open-source models, or data-driven approaches
- Collect and analyze encounter data from sources like the Open Glider Network across Switzerland
- Build comprehensive datasets and leverage RUAG software to model encounters
- Enhance simulation environments and support small drone certification under the SORA framework
- Collaborate with a diverse team and engage with startups to understand real-world airborne system certification
- Shape your own project, make meaningful decisions, and contribute to innovative aviation safety solutions.

WHAT YOU SHOULD BRING WITH YOU

- Proficiency in Python; experience with MATLAB is a strong advantage
- Solid understanding of mathematically abstracted models and their application in engineering
- Basic knowledge of Git or similar version control systems, Familiarity with aviation is a plus
- Creative and solution-oriented mindset with a passion for innovation
- High technical aptitude and strong willingness to learn, especially in modelling and simulation, system theory and algorithms, control engineering, and system architecture
- Ability to collaborate effectively with the project team
- Excellent analytical and planning skills, combined with a high level of responsibility and perseverance
- Good command of English; knowledge of German is an asset

Do you not fully meet all the requirements? Apply anyway. We are always looking for talented and motivated people to join our team. We place great emphasis on diversity and equal opportunities and aim to build a versatile team where everyone can fully utilize their personal strengths. In particular, we encourage all people, regardless of gender, who may have concerns about accepting a position in a military-related environment to apply.

YOUR POINT OF CONTACT

Verena Mathis
+41 58 461 20 63

PLACE OF WORK

RUAG AG, Seetalstrasse 175, 6032 Emmen