RUAG

Intern System Engineer - ACAS X (6-months Internship) (f/m/d)

Work experience	Location	Workload
Students	Emmen	100%

YOU CAN MOVE IT

— Contribute to the finalization of ACAS-Xr and ACAS-Xu implementations within RUAG's simulation environment, with the possibility to explore ACAS-sXu

— Translate reference implementations provided in Julia into deployable C or C++ code, creating a robust, testable, and safety-aligned software foundation

— Support RUAG's DAA system and collaborations with leading aviation partners, laying the groundwork for future certification and operational use

— Gain exposure to the aviation industry and learn how airborne systems are applied in practice while expanding your professional network

— Shape your own project, make meaningful decisions, and collaborate with colleagues from diverse backgrounds and expertise

— Work in a culture that values open discussion, personal initiative, and innovation in safety-critical applications

WHAT YOU SHOULD BRING WITH YOU

— Experience in Python and C/C++, knowledge of Julia is a plus

— Basic knowledge of Git or similar version control systems

— Familiarity with collision avoidance systems is a plus; prior knowledge of the ACAS-X standards is not required

— Creative and solution-oriented mindset with a passion for innovation

— High technical aptitude and strong willingness to learn, especially in modeling 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