Working Student (m/f/d) Flight Simulation

(student position, starting as soon as possible, fixed-term contract)

DESCRIPTION

We are looking for a passionate working student to join our young and growing Modelling, Simulation and Analysis team. As a working student, you will contribute to the development of our extended reality flight simulator, and deal with our simulation framework of the overall flight dynamics and selected aircraft systems. Furthermore, you will support the flight operations and human factors team with experiments to validate pilot experience.

Working in our team means to learn something new every day, work with many different disciplines and teams and actively contribute to shaping tomorrow's aviation.

YOUR TASKS

- Prototyping of hardware and software for fixed-base flight simulators
- Support the integration of visual models of our prototypes in flight simulation environments, including documentation of the workflows
- Support the operation of our flight simulators
- Application of state-of-the-art Extended Reality (XR) visualization methods
- Other tasks based on your profile and mutual agreement

YOUR PROFILE

- Enrolled student (m/f/d) in Master of Science in Aerospace or Mechanical Engineering or a comparable technical course of study
- Good knowledge in MATLAB/Simulink
- First experience in at least one of these programming languages: Python, C++, HTML/Javascript
- General interest in aviation and flight simulation in particular
- Self-driven and structured way of working
- Passionate and curious about electric aviation and novel aircraft concepts
- Good English skills

Moreover, we would appreciate if you

- have first experience with asset development for desktop-based flight simulation software
- are familiar with fundamentals of electronics

ABOUT US

ERC develops a manned electrical vertical takeoff and landing vehicle. The company was founded in 2020 by a team of aerospace engineers that already has gained experience in this field for many years. Financially well backed, the core team already grew a competitive company around the topic, but still needs your support to get all tasks done!

Apply online: erc-system.com