



Engineering Intern - Compressor Aero Dynamics (m/f/d)

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Full time

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Job Description Summary

GE Aerospace is a world's leading manufacturer and servicer of jet and turboprop engines, components providing integrated systems for commercial, military, business and general aviation. There's a place in Munich where innovations for jet engines and digital solutions for airlines take flight, a technology hub for GE Aerospace in Europe and for Universities as well.

Inside the Eurozone, GE Aerospace's 12,500 people are spread across 17 production sites. As far-flung as the various operations are, they are in constant contact, exchanging information and building on shared knowledge. And one of the central hubs is the Advanced Aviation Technology (AAT) Center of Excellence in Munich.

Within AAT, the Aerodynamics team is looking for a student with a background in Aerodynamics for the design of preswirl vanes and conditioning screens for application in a centrifugal compressor test rig of a University partner. The student will be responsible for the planning, execution, and presentation of project results under the supervision of a mentor.

The project duration is planned for 6 months, but may be extended if necessary.

Job Description

Essential Responsibilities:

- Work with the Compressor Aerodynamics team under supervision of a dedicated mentor.
- Develop a preswirl and the corresponding flowpath together with flow conditioning screens for a centrifugal compressor test rig. This includes:
 - Geometry generation and iteration
 - CFD pre/post processing
 - Report out of results
- Coordinate work and outcome with other teams and technical disciplines where needed.
- Support carrying out pretest predictions of the aerodynamic components.
- Participate in and present during technical reviews.

Qualifications/Requirements:

- Study during final semesters of Mechanical/Aerospace Engineering with exposure to the field of turbomachinery aerodynamics.
- Ability to work in cross-functional global team in multi-cultural environments.
- Fluency in English.

Desired Characteristics:

- Hands-on experience in computational fluid dynamics and data analytics.
- Familiar with relevant programming languages (Python, VBA) and engineering software (MATLAB, usage of CFD solvers).
- Self-directed, highly motivated, quick learner, flexible attitude, exceptional communication skills.
- Identify improvement opportunities and be able to communicate them to the team.
- Keen listener, proven facilitation, and collaboration skills.
- Passion for technology advancement.
- German language skills

GE Aerospace is an Equal Opportunity Employer where inclusion matters. Employment decisions are made without regard to race, color, religion, national or ethnic origin, sex, sexual orientation, gender identity or expression, age, disability, protected veteran status or other characteristics protected by law.

GE supports and encourages flexible working arrangements, where possible, and recognizes the benefits to employees of having a positive work-life balance.

Additional Information

Relocation Assistance Provided: No



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