Join The Aviation Think Tank!

Have you ever wondered what tomorrow's air transport might look like? As the aviation think tank in Germany – consisting of young and ambitious experts from various disciplines – our goal is to provide science-based answers. Located in Taufkirchen near Munich, we offer a modern working environment with open ears and doors. We are always looking for passionate and creative minds to help us push today's boundaries to new heights. **Shape the future of aviation with us today and join us as:**

Student (m/f/d) for modelling an air-transport-system in cooperation with TUM

in the field of Operational Aspects of Aviation

Our challenges:

Bauhaus Luftfahrt e.V. and the TUM Chair of Aircraft Design are working on an integrated toolchain for assessing aviation's fleet development, mission scenarios and technology uptake.
You, as a research assistant, support us with the following:

- Combine and extend functionality of the mission and the fleet module, e.g. by offering a range of optimisation options when allocating aircraft to routes, or by adapting climate impact calculations to new aircraft types
- Make the model accessible to a wider range of users, e.g. by creating a data pipeline from a range of helper scripts for pre- and post-processing
- Increase the model's flexibility, e.g. by introducing new interfaces or classes
- All other vital tasks of software development such as code refactoring, testing and documentation

We need you because:

- You are a student enrolled in computer science or mechanical engineering; other fields with a computing background are definitely welcome
- Operational aspects of aviation' is something you want to learn more about
- You are interested in (air transport systems) modelling and data processing, and have already gained first experience
- Modelling of complex systems, data processing and software development are amongst your skills
- MATLAB is one of your programming languages
- Git or other systems of version control are not news to you
- You work independently, and communicate and document your results
- Your English speaking and writing skills are good

What to expect:

- International team with a high qualification level
- Acknowledged research institution – with our feet on the ground and our thoughts in the air
- Interdisciplinary cooperation of engineers, natural and social scientists
- Modern working environment on the Ludwig Bölkow Campus in Taufkirchen near Munich
- A team-oriented working culture
- Flat hierarchies and short communication paths
- Challenging tasks
- Varied, creative activities

What we offer:

- Work-life balance due to flexible working hours
- Subsidised canteen and modern internal cafeteria
- Company sports (gymnastics, football, running group)
- Car park and good accessibility by public transport

The position is to be filled immediately and initially fixed-term. As we wish to increase the share of women in the team, we would be particularly interested in receiving relevant applications. People with disabilities will be given priority in the case of equal qualifications.

We look forward to receiving your application!
✉ application@bauhaus-luftfahrt.net
Please indicate the reference number 23-9-53.

Do you have any questions?
Michaela Richter will be happy to help:
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www.bauhaus-luftfahrt.net/en/career