Make it possible.
Make it happen.
Make it fly.

AIRBUS

Lead City Mobility Modeller and Data Analyst (m/f)

Reference Code 10452991 TB EN INT 1

- Site:	Airbus Group Corporate Functions Munich
- Target Group:	Professional staff - engineer
- Band / Level:	Other
- Work Contract Type / Working Time:	Permanent contract / Full time
- Work Experience:	Confirmed (3+ to 5 years of experience)
- Functional Area:	CORPORATE GOVERNANCE / Innovation
- Education:	

Description of the job

Within the Urban Air Mobility Division, the City Integration and Infrastructure development team is responsible for the elaboration of Mobility systems in support to Urban development, that should enable the deployment of UAM. This task is backed by a Simulation capability, able to analyse cities and the complete mobility system to derive the best set-up and value for both the city and Airbus. In parallel of network definition, focusing on the landing locations, the Engineering force develop and integrates Vertipad design into the local urban landscape and finalizes the engineering and certification of the ground infra.

For our simulation capability, we are looking for a Lead Data Scientist Modelling and Simulation (d/f/m).
of UAM. This task is backed by a Simulation capability, able to analyse cities and the complete mobility system to derive the best set-up and value for both the city and Airbus. In parallel of network definition, focusing on the landing locations, the Engineering force develop and integrates Vertipad design into the local urban landscape and finalizes the engineering and certification of the ground infra.

For our simulation capability, we are looking for a Lead Data Scientist Modelling and Simulation.

The successful applicant will join "YNU - Urban Air Mobility Project".
Published until: 30.04.2019
Disabled applicants with equal qualifications will be given special consideration.

Priority will be given to employees whose position is impacted by a workforce adaptation initiative.

Tasks

The job holder is supervising the modelling and simulation work of 4 cities per year. He is responsible for the team of Data Scientists, and will manage the allocation of people and effort depending on priorities. He/She will take part in the effort as well as technical guidance and recommendation. He/she will determine the type of analysis and elasticity studies to be performed and the relevant scenarios, according to the city context, business strategy and Urban strategies that are defined.

The modelling and simulation work involves the use of a Multi-agent software the captures the population behaviours and evaluate transport scenarios for a given city, transportation networks and infrastructures.

The Job Holder will be responsible for the development and improvement of the Simulation tool: Improvement of modelling and computing time, representativeness of models and algorithms, added features and capabilities in the analysis and scenarios.

The job holder will look into the potential of partnering with Software companies for development of a commercial solution and produce recommendations for licensing scenario striking the best balance between the development of core competences, the development of strategic commercial assets, and the involvement of the right effort for development. The ability to spread out our tools and solution is an integral part of deploying the UAM business.

This job requires an awareness of any potential compliance risks and a commitment to act with integrity, as the foundation for the Company's success, reputation and sustainable growth.

Skills

- Several years of technical experience and proficiency in Computer and Data Science, Statistics and Mathematics. (e.g. PhD)
- Applied and current experience in Object oriented coding: Java / Python Ideal
- Experience with Statistical programming languages (like R, Stata, SAS)
- Experience with Georgraphy Information Systems and Agent Based Modelling
- Transport/mobility modelling/engineering, urban planning, civil and environmental engineers would be a plus
- Highly conscious of Data Security and data ethics
- Ability to fit in a fast moving, flexible start-up like environment
- Natural tendency to tie trustful links with team members and put priority in the greater good of the UAM team

Contact

Please apply online for this vacancy using your eRecruiting profile with your CV attached.
(myHR -> About Me -> Jobs&Mobility -> Search for Jobs -> Position -> Apply)

In case you have any further questions, please contact: myapplication@airbus.com

This position is offered under local conditions. For any questions related to internal mobility, please visit the Mobility Community on the HUB.

Airbus is committed to achieving workforce diversity and creating an inclusive working environment. We welcome all applications irrespective of social and cultural background, age, gender, disability, sexual orientation or religious belief.