



Simulations engineer

Are you a hands-on problem solver ? Not afraid of vectors and quaternions ? Looking to use your skills to bring innovative solutions to the space industry ?

Then we want you on our team !

At Blackswan Space, we're shaping the future by empowering satellites with intelligent software. Our team is currently building one of its kind simulations tool called the Mission Design Simulator (MDS) that is not only able to model space physics accurately, but also provides photo-realistic 3D graphics running in real-time. This enables our customers to quickly prototype, test and operate their satellite missions, including the most fascinating ones such as repairing, building and cleaning up defunct satellites.

To level up your development knowledge and abilities all while helping build the future space economy, [send us your CV !](#)

Job Description

- Talk with our customers to better understand their needs and convert them to technical requirements.
- Design, develop and fix bugs.
- Research which technical solutions would best fit the problem and project needs.
- Perform testing of the simulator modules, engaging other team members.
- Work closely with other technical teams (Astrodynamics, GNC, AI and Robotics) to suggest improvements.

Job Requirements

- 2+ years working as a Unity3D developer or having equivalent experience with other game/3D engines.
- Hands on knowledge of C#, Python is a must.
- Good understanding of 3D math (vectors and quaternions).

Assets

- Practical knowledge in computer science / engineering / fundamental sciences.
- Practical experience with implementation of real-world physics including kinematics and dynamics.
- Knowing how to write multi-threaded code.
- Experience with MATLAB and Simulink.
- Experience with C++
- Experience in writing network code.
- Experience to install, configure, and maintain virtual machines.
- Experience working with Linux, Mac.
- Understanding of orbital mechanics, multi-body dynamics etc.

Job Location: Vilnius old town

Employment Type: Full time

Working at Blackswan Space - What's in it for me ?

- Solve problems that have not been tackled yet with bleeding edge technology.
- Work alongside individuals who share your values and are passionate about space.
- Gain valuable experience working in a sector with huge demand.
- Flexible working hours and competitive salary.
- Ability to work on projects that match your passions with significant career growth potential.

To Apply: Please send your CV to info@blackswan.ltd