BLACKSWAN SPACE

Embedded Systems Engineer

Blackswan Space is building time critical software products for complex missions – a cornerstone for enabling the future space economy as space traffic rapidly increases. With the help of the European Space Agency, our team is developing a novel platform for autonomous navigation for small satellites, leveraging computer vision and neural networks.

We are looking for naturally curious minds with a can-do practical attitude eager to satisfy their inner astronaut.

If you're keen on harnessing the current advancements in deep learning, computer vision and embedded systems to solve open problems in object detection/tracking, pose estimation, and real-time navigation in space, while also having a knack for working with real hardware, we would love to hear from you !

Job Description

As an instrumental part of our engineering team, you will:

- Design, implement, benchmark and validate software architecture and its key elements for real-time relative navigation in space.

- Assemble and test electromechanical hardware components.

- Lead software verification and laboratory testing campaigns.

Job Requirements

- 3+ years developing embedded systems software for time critical applications.

- Hands on experience with cameras, inertial sensors and real-time processing units.

- Good understanding of electronics and interfacing through different protocols and connections (I2C, ETH, Serial, etc).

- Proficiency with C and Python.

- Ability to work under tight schedules with a limited budget.

Assets

- Previous experience working in the space industry is a strong plus.

- Familiarity with Jetson SBCs and CPU/GPU architectures in general, numeric libraries.

- Familiarity with the CUDA toolkit.

- Experience with Deep Learning and computer vision libraries such as OpenCV.

- Proficiency with Real-time operating systems.

Job Location: Vilnius old town, Lithuania,

Employment Type: Full time

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

- Work with top notch international experts to solve hard problems.

- Flexible working hours, extra Christmas holidays, workations and other company events.

- Work alongside individuals who share your values and are passionate about space.

- Significant career and knowledge growth potential in a rapidly growing industry sector.

To Apply: Please send your CV to info@blackswanspace.com