Embedded Software Engineering Intern

We are seeking a motivated embedded software engineering intern or working student to join our team in Luxembourg. In this role, you will actively contribute to building a full avionics stack product.

Your tasks

During the internship you will:
- Assist in the development of embedded software features for the avionics stack, including for On-Board Computer (OBC), Payload Data Handling System (PDHS) and Radio units.
- Support in designing, coding, testing, and debugging software modules.
- Contribute to the development of support tools (GSE testing tools, Code generation etc.)
- Assist the software team in various other types of engineering tasks.

Essential characteristics

- Bachelor's or master's degree in Computer Science, Aerospace Engineering, or related field.
- Proficiency in programming languages such as C/C++ for embedded systems development and various scripting languages.
- Basic understanding of real-time operating systems and low-level hardware interfaces.
- Experience in utilizing communication protocols such as CAN, I2C, SPI, and UART.
- Skilled in working with a variety of Microcontrollers and System on Chips.
- Fluent in English, spoken and written (all day-to-day activities are performed in English).

Strongly valued characteristics

- Experience with aerospace software development standards and safety-critical software development practices.
- Familiarity with lab equipment (logic analyser, power supply etc.).
- Familiar with embedded Linux, FPGA development.
- Passionate about embedded application development and eager to research new concepts.

What we offer

- A dynamic and exciting work environment where you will actively contribute to the development and testing of equipment for space.
- Guidance and training from experienced engineers in various fields, including power systems, radio, on-board computers, propulsion, radiation effects in space and other.

Duty station and contract type

This is a 6-month internship or working student position located full time in Belval, Luxembourg with occasional travels possibilities.

This opportunity is open to candidates of all ages, gender, and orientation, that have or can obtain work authorization within the EU.

If you believe you are a good fit for this role, please apply through the link below:
APPLY HERE