

Internship – Software Engineer

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Company: Space Applications Services

Location: Brussels

Category: computer-and-mathematical

Internship Position

We are looking for a Software Engineer Intern to join the **Control and Data Centre (CDC)** Team. The Intern will contribute to the development of the open source software Yamcs, a mission control system used in various space missions, including moon landings and lunar rover missions. The Intern will have the opportunity to work closely with the Team to contribute to state-of-the-art, open source software solutions.

The successful Intern will mainly report to the **Control and Data Centre (CDC) Team Lead**

Location: Sint-Stevens-Woluwe (Brussels Area)

Duration : 3 months at a minimum

Start dateAs of June 2024

Tasks and Responsibilities

Research enhancements of User Interface for mission control, using state-of-the-art solution

Provide an integration of Yamcs framework with the open source web user interface Grafana 9

Upgrade the Yamcs Quick start simulator to enable the demonstration of the relevant Grafana 9 features

Document the new features and provide getting-started instructions for new users

Deploy the integrated software on the ICE Cubes Mission Control Centre (ICMCC)

Collect feedback from flight operators of the ICMCC on the integration of Yamcs and Grafana.

Skills and Experience

Currently enrolled in a Master's program in Software Engineering, Computer Science or similar

Experience with:

Web front-end technologies and popular front-end frameworks (e.g. React, Angular)

Back-end software development using languages (e.g. Python, Java)

Knowledge of:

Web services and APIs, particularly RESTful APIs and web-sockets

Version control systems such as Git

Strength in self-discipline and work ethic

Passionate in a problem-solving approach

Good written and spoken English.

About Us

Space Applications Services is a company at the forefront of space technology development and the provision of services for human spaceflight, exploration and earth observation missions. Headquartered in Belgium (Brussels Area), with a research office in the Netherlands and a subsidiary in the USA, the company provides solutions for both commercial and institutional customers. We work with clients such as the European Space Agency, the European Commission, governmental and national space agencies as well as the major space industries.

The company develops payloads, avionics, robotics technology and products, and provides complete mission operations control centre solutions to EN9100 standards. The company also provides engineering, science and training services, including astronaut training. From our headquarters, we are in daily contact with the International Space Station (ISS) ensuring our Customers' research is successful.

Our Offer

An experience within a growing company with highly motivated Engineers, Scientists and Administrative Staff coming from all different horizons and countries

A professional and multicultural working atmosphere

A client exposure and networking opportunities

A full-time Internship with a monthly lump sum allowance, under certain conditions.

How To Apply

Upload your CV and Motivation Letter (both in English), along with your internship's start

date, to the attention of Mr. Mathieu Schmitt.

The successful candidate shall be eligible to do an internship in the European Union.

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Cross References and Citations:

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