

19/07 - Software Engineering Team Placement

Thales Alenia Space in the UK Ltd

Please note:

Applicants must have the legal authorisation to reside and work in the UK in order to be considered for this placement

Priority consideration will be given to applicants that are towards the final stages of academic study or have recently completed their study.

Location

Building 660, Bristol Business Park, Bristol BS16 1EJ

Company Description

Thales Alenia Space (TAS) has more than 40 years' experience in designing, integration, testing, operation and commissioning of innovative space systems. Using some of the world's most sophisticated technologies, we meet the needs of a variety of commercial, government, scientific and security customers. Our teams create the technology to monitor our oceans, help us better understand climate change and drive scientific progress. We also have developed key parts for the International Space Station and play a pivotal role in exploring the universe.

Thales Alenia Space in the UK (TASitUK), started in 2014, has over 160 employees between three sites in Bristol, Harwell and Belfast. In the TASitUK specialises in early stage technology development, satellite propulsion, radiation hardened electronics, small satellite design and assembly.

Project Description

TASitUK's Software engineering team is responsible for delivering design, development and validation of ground and on board systems software on commercial and defence space missions.

The successful candidate would join the team and work on the different projects. These could include:

- software for satellite test
- robotics for planetary and space missions
- space mission database
- onboard software prototyping for spacecraft subsystems

Potentially the project will allow the successful candidate to work with engineering hardware and embedded systems.

The length of the placement is 12 months.

Student Specification:

The student is required to have an open mind and be highly adaptable, being able to pick up different computer languages easily. A knowledge of Space technology and systems is helpful but not mandatory.

Desirable traits include:

- Some experience with object orientated programming
- Knowledge of one or more of the following programming languages:
 - C
 - C++
 - JAVA
 - ADA
- Knowledge of embedded systems
- Comfortable at both working alone and working in small teams of up to ten
- A desire to work in the space industry

The work will be aiming to enhance the knowledge and capability of the Software Team for future mission requirements. Therefore, the most important requirement is a desire, willingness and capacity to learn.

Suggested courses include Software Engineering, Avionics, Aerospace, Space

Closing Date for Applications: Thursday 14th February 2019

Applications will be through the online form attaching a CV, before the closing date. They will be forwarded to the employer.