

INTERNSHIP OFFER

Title: OBDH Improvement

1 UNIVERSITY SPACE CENTER OF MONTPELLIER

The University Space Center of Montpellier (CSUM) is the French leader in the development and operation of nanosatellites developed by students. It has acquired in-depth competences in the field of design, manufacturing, testing and operation of nanosatellites and their subsystems, as well as in the area of space project management and product assurance in the framework of university space projects. The CSUM has an AIT (Assembly Integration and Test) Facility, a CDF (Concurrent Design Facility) and both UHF and S-band Ground Stations. The CSUM develops its own 1U and 3U CubeSat nanosatellite platforms with the support of the Van Allen Foundation and both the French and the European space agencies.

2 INTERNSHIP DESCRIPTION

Dans le cadre de l'évolution de sa plateforme 1U, le CSUM souhaiterait évaluer la possibilité de faire évoluer le microcontrôleur du sous-système « OBDH » vers un composant plus performant en termes de mémoire.

Dans ce cadre, vous aurez plusieurs missions :

- Participation aux choix du nouveau microcontrôleur
- Routage du prototype de la nouvelle version
- Portage du Firmware actuel vers le nouveau microcontrôleur

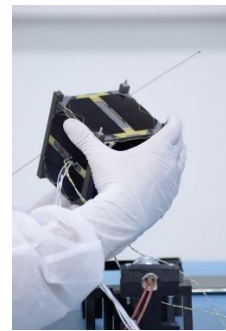


Figure 1: Nanosatellite 1U

Skills/Languages: ...French / English...

Level: BAC+2/+3 « Systèmes Embarqués »

Preferred starting date: Q1 2024

Duration: ...2 to 4 months

Supervisor, Function at CSUM: Jean-Roch VAILLÉ, TBD

Location of the internship: ...Montpellier, CSUM...

Stipend: 4.05 euros/worked hours for duration between 308 and 924 hours, 35 hours/week.

3 CONTACT

Please upload your application at: <https://csum.umontpellier.fr/en/job-offers-internship/>