

INTERNSHIP OFFER

Title: Support of Mechanical and AIT Activities

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

Description of the tasks:

In the frame of the development of the 1U, 3U and 12U platform, the CSUM is looking for an intern which will be part of the mechanical and AIT(assembly, integration and test) teams to help of the design and integration tasks. The tasks are the following :

- Design using Solidworks software : Conception of subsystems and parts of the satellite, design of mechanical ground support equipment
- Production : 3D printing of the parts designed
- AIT : Test of the parts designed and printed
- Reporting : Write technical reports of the activities
- Meeting : Participate of the weekly team meeting



Figure 1: Nanosatellite

Skills/Languages: Preparing an engineering Diploma, English

Dedication, Listening, Adpatability

Level: Bac+2- Bac+3

Preferred starting date: June **Duration: ...1,5..... months**

Supervisor, Function at CSUM: LONDONO Juan Sebastian, Mechanical and Thermal engineer

Location of the internship: Montpellier, Campus St Priest

3 CONTACT

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