

## DEVELOPMENT OF A PROCEDURE CREATION APPLICATION

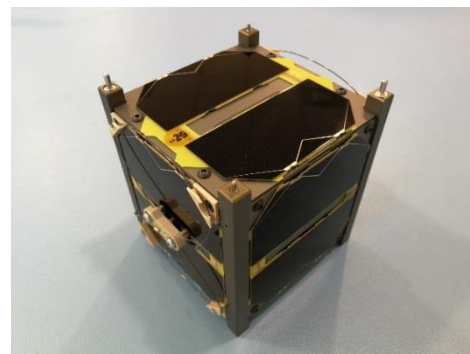
### Internship offer

### UNIVERSITY SPACE CENTER OF MONTPELLIER (CSUM)

The University Space Center of Montpellier 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 CSU 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.

### INTERNSHIP DESCRIPTION

Designing, assembling, integrating and testing satellites requires the constant use of procedures. Normalizing procedure writing and templates is a massive advantage in terms of time, resources, and allows minimizing possible errors. The student will create a software to write and run these procedures, with a number of dedicated features: versioning, picture/video management, automated reports for specification verification... The student will choose technical solutions to answer a set of specifications written at the beginning of the internship, implement them, and validate them on test then flight hardware.



Skills/Languages: English – being able to have a technical discussion with experts

Git or similar version control system – Intermediate level

Software development – Intermediate level

Previous experience in mobile development on Android is appreciated.

Level: 1<sup>st</sup>/2<sup>nd</sup> year of MSc or equivalent

Location: Centre Spatial Universitaire de Montpellier, Campus Saint-Priest, Montpellier France

Preferred starting date: Position open immediately

Duration: 5 to 6 months

Supervisor, Function at CSUM: Laélien Rivière, System Engineer and 1U satellites manager

This internship is remunerated.

### CONTACT

Please upload your application at: <http://csu.edu.umontpellier.fr/en/job-offers-internship/>