



Internship position to participate to the validation of a critical software

SpacePNT is a leading Swiss company based in Neuchâtel developing Position Navigation Timing (PNT) technology for Spaceborne applications, building industry's world leading devices used across LEO services (Earth Observation, PNT, GNSS back up).

Domain:

- Space Industry

Purpose:

- Critical software validation

Goal:

- Validate the telemetry/telecommand (TM/TC) [Packet Utilization Standard \(PUS\) protocol](#) for a high performance spaceborne GPS/Galileo receiver

Description:

- Get familiar with the Electrical Ground Support Equipment (EGSE) that communicates to the receiver and the TM/TC PUS protocol
- Document the EGSE
- Write the validation plan to cover the whole protocol (low/high level)
- Get familiar with the static analysis tools (SonarQube / gcov...) to ensure the code coverage
- Write the tests scripts
- Run the tests
- Write the tests report and configure the results.

Duration:

- 3 months

You Profile

- BSc (third year) or MSc student in computer sciences.
- Familiarity with embedded systems is a plus.
- Fluent in English speaking and writing; other languages, in particular French, is a plus.
- Creative, reliable, results-driven and a good team-player.

Are you interested? Please send us your CV and motivation letter to:

SpacePNT – Human Resources, Rue du Puits-Godet 8, 2000 Neuchâtel (Switzerland), hr@spacepnt.com
<https://www.spacepnt.com>

June 01, 2022