Internship offer: Linear Accelerator remote configuration using EPICS & CSS

Company Information	
Name of the hosting organization (*)	GranaSAT – Aerospace Electronics Group
Company Description	Research Group of University of Granada
Company email address	granasat@ugr.es
Company full address – Country (*)	Edificio I+D Josefina Castro Avda. Madrid 28, 18012 Granada
Company website (*)	https://granasat.ugr.es
Contact Person - Name and mail	Prof. Andrés Roldán Aranda amroldan@ugr.es
Number of employees (*)	4
Your organization is a Start Up? (*)	NO
Role Information	
Title of the offer (*)	Linear Accelerator remote configuration using EPICS & CSS Internship in the Aerospace Electronic Group in the University of Granada
Link to the source (*)	https://granasat.ugr.es/ofertas_academicas/ Other research projects are offered in this same link. Select the interesting one and email the contact person.
Role (*)	Trainee in R&D Department
Industry (*)	Aerospace / Electronics
Functional Area (*)	Research and Development
Location (*)	GranaSAT Laboratories City: Granada (SPAIN)
Main duties (*)	• Collaborate in the HW/SW development of a 3 kW RF LINAC (Linear Accelerator). Hand and reflow soldering from SMD components to audio connectors and audio wiring. Continuous reconfiguration of a professional audio line in for the purpose of implement a test-and-measure based methodology.

	Use of high-end measurement software and equipment
What **the intern** will learn (*)	• LINAC FPGA control • Low level implementations in languages such as C or C++ • Communication systems based on embedded systems • Printed Circuit Board design • Full-stack EPICS development • Teamwork with the R&D colleagues • GITLAB based development process
Further information	Contact Professor Andrés Roldán via email (amroldan@ugr.es)
Duration (*)	6 weeks to 3 months depending in student availability.
Working hours (*)	5 per day
Start Date (*)	Depending student availability.
Apply by (*)	Email and attach CV and a motivation letter with a detailed skills list from the candidate will be highly valued.
Date of publication (*) Deadline of publication (*)	10/01/2022 31/06/2022
Training bursary (*)	No
Candidate Category (*)	Master student Bachelor student (last year)
Level of Education (*): (BA/MA/PhD/Other)	Master student Bachelor student (last year)
Field of Education (*)	Engineering or Computer Science
Willing to host person with disabilities (*)	We are willing to host a person with a disability related to reduced mobility
Language Skills (*)	English Spanish not necessary
Digital Skills	C++ Programming Language Linux O.S user
Other skills requested	

Information for Application (*)	https://granasat.ugr.es/erasmus-scholarship/

(*) Mandatory Fields

(*) Mandatory fields In Arqus colour: Fields that go visible on the website. The URLs in brown don't go visible.

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