

# **Celtonn**

Job Title: **Graduate RF Engineer**

Description:

## **Job description**

### **Graduate RF Engineer – Work Ready Graduate Training Program**

#### **Role Overview**

Celtonn is seeking a highly motivated Graduate RF Engineer to join our engineering team for a one-year graduate role based on-site at Celtonn Labs in NovaUCD. This position is ideal for a recent graduate from an Irish university who is eager to gain hands-on experience in millimetre-wave (mmWave) system design, MMIC design, and electromagnetic (EM) simulation, while contributing to real-world, high-impact R&D projects.

This is a unique opportunity to work within a rapidly growing deep-tech startup, gain exposure to manufacturing and test environments, and contribute to European Space Agency (ESA) programmes, learning from a team of highly skilled engineers with strong space heritage. There may be the opportunity for a permanent position at the end of the one-year contract, subject to performance and business needs.

#### **Key Responsibilities**

- Support the design and development of millimetre-wave RF systems and subsystems
- Assist with MMIC design activities, including simulation, analysis, and documentation
- Perform electromagnetic simulation of RF components and structures using CST Studio Suite
- Help set up, configure, and validate RF and mmWave measurement systems to support system and component design
- Assist with test planning, execution, and analysis of measurement results
- Contribute to R&D projects, including work aligned with ESA and space-related programmes
- Support manufacturing-related activities, including design-for-manufacture considerations and testing
- Document designs, simulations, and test results in line with company processes

## **Required Skills & Qualifications**

- Recently graduated from an Irish University with a Bachelor's or Master's degree in: Electronic Engineering, Electrical Engineering, or a related discipline
- Academic or project experience in: RF and microwave engineering, Millimetre-wave system design, MMIC design, Electromagnetic simulation, Familiarity with CST Studio Suite (or strong experience with comparable EM simulation tools), Solid understanding of RF fundamentals (e.g. S-parameters, impedance, matching, transmission lines, antennas)

## **Desirable Skills**

- Exposure to RF and mmWave measurement equipment (VNAs, spectrum analysers, signal generators)
- Experience with additional RF/EM tools (e.g. ADS, HFSS)
- Strong technical documentation and communication skills

## **Terms of Employment**

Contract Category: Full-Time

Contract Type: Fixed Term

Duration: 1 year

Based: Celtonn Labs, Nova UCD

Start Date: September 2026

## **Introducing the Work Ready Graduate Training Program**

The Work Ready Graduate Training Programme is a 12-month, paid R&D placement where you are employed by UCC/Tyndall and embedded with host company Celtonn, with structured training and mentorship from MCCI/Tyndall.

Appointment may be made on the SEA Scale B salary scale €40,327 - €55,667 per annum. Salary placement on appointment will be in accordance with the public sector pay policy. Multiple appointments may be made.

## **Applications**

Please make sure to attach an up-to-date CV/Resume AND a brief motivation letter outlining how you meet the 'Essential Criteria' for this role.

Please note that Garda vetting and/or an international police clearance check may form part of the selection process. Please note that an appointment to posts advertised will be dependent on university approval, together with the terms of the employment control framework for the higher education sector. Tyndall National Institute does not require the assistance of recruitment agencies. Tyndall National Institute at University College, Cork is an Equal Opportunities Employer. By applying you are consenting to Celtonn sharing your CV/Resume and cover letter with co ordinating institutions Tyndall and MCCI.

Please send applications to [Aoife.kelly@celtonn.com](mailto:Aoife.kelly@celtonn.com)