

Postuler



## Radar and Signal Processing 1 Intern

Postuler

📍 Singapore

📅 Temps plein

🕒 Offre publiée il y a 30 jours ou plus

📄 R0184241

Location: Singapore, Singapour

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Thales established its presence in Singapore in 1973 to support the expansion of aerospace-related activities in the Asia-Pacific region. Throughout the last four decades, the company grew from strength to strength and is today involved in the primary businesses of Aerospace (including Air Traffic Management), Defence & Security, Ground Transportation and Digital Identity & Security. Thales today employs over 2,100 people in Singapore across all its business areas.

THALES SINGAPORE INTERNSHIP TOPIC: Simulation of antenna failures for Multi-Function Radar Digital Twin


Description: Latest generation of Multi-Function Radar leverages a full digital 3D AESA antenna composed of a grid of radiating elements. Radar performance assessment is usually computed with all radiating elements operational. In this internship, it is proposed to model and simulate radiating elements failure within a Multi-Function Radar Digital Twin. Then these models will be converted into software code within the Radar Digital Twin enabling to assess the performance degradation (range, azimuth, elevation) in case of radiating elements failure.

Specific responsibilities: The intern is expected to work together with our staffs to study and model beams with Transmit/Receive failure.

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## Key requirements:

- Keen interest in physics and radar  Skills in scripting/programming (Matlab, Python)
- Have some knowledge in signal processing would be advantageous Outcome --Models of beams with Transmit/Receive failure
- Models of target power attenuation due to Transmit/Receive failure
- Models of target errors in azimuth and elevation due to Transmit/Receive failure




## Outcome:

- Models of beams with Transmit/Receive failure
- Models of target power attenuation due to Transmit/Receive failure
- Models of target errors in azimuth and elevation due to Transmit/Receive failure




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## Emplois similaires (5)




### Radar and Signal Processing 2 Intern

-  Singapore
-  Temps plein
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### IVVQ (Validation) Engineer (1 Year Contract)

-  Singapore
-  Temps plein
-  Offre publiée il y a 17 jours

### Robotics & Automation Engineer (Industry 4.0)

-  Singapore
-  Temps plein
-  Offre publiée il y a 17 jours

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