

# Jesiel Torres Falcon

Palm Bay, FL

-Email me on Indeed: <http://www.indeed.com/r/Jesiel-Torres-Falcon/610a26ef9b274f7b>

Willing to relocate to: Florida

Authorized to work in the US for any employer

## Work Experience

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### **Radio Frequency (RF) Engineer**

L3Harris Technologies

August 2018 to Present

Completed Wafer-Scale RF passive component designs & active component interconnects.

Designed/Developed RF Modeling, as well as several MATLAB processing scripts, by integrating MoM/FEM simulations with measured data to provide system-level performance and analysis of a PAA.

Performed various RF measurements utilizing VNAs, SAs, and RF probing stations.

### **Radio Frequency (RF) Engineer**

DoD

July 2015 to August 2018

Performed RF test and characterization of different such as RF amplifiers, RF filters, frequency translators, Fiber Links, and others.

Developed a variety of cascade analyses for several RF Front-End systems that contained both COTS and custom-made components.

Lead RF Engineer in various deployments in charge of installation, integration and optimization of RF systems.

Performed simulation, fabrication, assembly, characterization and RF testing of multiple antennas. These included impedance matching, VSWR, Gain, and pattern measurements.

Deployed overseas for 5 months in charge of providing full RF Engineering support for a new antenna installation, characterization, and integration of its Front-End system.

### **Engineering Co-op**

DoD

August 2012 to November 2014

Performed various 10-15 week tours (1-year total)

- Completed various RF Propagation Analysis.
- Developed several Antenna Pattern Modeling.
- Performed forensic teardown and hardware analysis of digital devices.

## Education

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### **M.S. E.E. in RF/Microwave Design**

Johns Hopkins University

December 2020

### **B.S. in Electrical Engineering**

Polytechnic University of Puerto Rico

May 2015

## Skills

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- Currently possess a TS//SCI clearance.
- Extensive experience working with RF test equipment.
- Experience working with RF Front-End Systems ranging from UHF to Ka-Band.
- Experience designing and analyzing RF systems through modeling.
- Extensive experience using MATLAB, HFSS, ADS and Microwave Office software.
- Ability to perform hands-on technical work.
- Team-work oriented and capable of completing assignments on my own.
- Intelligence Experience
- DoD Experience

## Languages

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- Spanish - Fluent
- English - Fluent

## Certifications and Licenses

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### **Engineer In Training (EIT)**

June 2015 to Present