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**KEITH B. CABALLER-DIAZ**  
**SENIOR TECHNOLOGIST**

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Mr. Caballer specializes in aerial surveying and drone data science. FAA Part 107 certified - he has performed various Drone Pilot tasks including the relief efforts of hurricane Maria and the impact on Puerto Rico's infrastructure. In addition, he has had experience with photogrammetry technologies such as Matterport which led him to perform successful damage assessments. With his background in architecture, 3d modeling, image creation, video editing & object animation he can turn daily inspections into digital briefings for post-processing.

**Areas of Specialization**

Drone Pilot  
Aerial Video/Photo  
Aerial Survey Solutions  
Scene Preservation  
3D Object Design & Animation  
Video Editing & Image Creation  
Electronic Equipment Soldering

**Computer Software & Technical Expertise**

Design and drafting programs:

AutoCAD, QGIS, ArcGIS, Google Sketchup, Artlantis, Archicad, Revit,  
Photoshop, Illustrator, 3DStudio, Adobe Character Animator

Editing programs:

iMovie, Final Cut Studio, Adobe Premiere, Adobe After Effects, Garageband

Photogrammetry Software:

DroneDeploy, Pix4D, Kittyhawk, FLIR Thermal Studios, Airdata UAV, Lichti,  
Bentley Context Capture, Reality Capture, COLMAP, Meshroom, Anaconda,  
Python 3.7

DJI Drone Equipment Software:

DJI Go 4, DJI Pilot and DJI XT Pro.

Photogrammetry/videography equipment:

Canon/Nikon DSLR's, GoPro's, Camera Stabilizers, Gimbals, FARO Scanners,  
DJI's Drone Fleet and Racing Drones with HD cameras.

*April 2020*



## **Education**

Polytechnical School of Architecture, Hato Rey, Puerto Rico 2020

## **Other Certifications**

Federal Aviation Administration (FAA) Part 107

Drone Pilot Lvl.18 - 250+ successful flights

FEMA Affiliate ID Card issued by the Department of Homeland Security (exp. 2026)

FEMA Certified Online Courses IS-1001-1006,1011,1019,1021-1024 (46.25 hrs.)

## **Positions Held**

### **Engineering Systems Inc., Miami, Florida**

Senior Technologist, March 2020 – Present

### **ICF International, San Juan, Puerto Rico**

Drone Pilot / Damage Inspector 2019 - 2020

### **GE Healthcare, San Juan Puerto Rico**

Project Manager / Lead Designer 2012 - 2014