Marcus Ofori

UAS Pilot

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SUMMARY

UAS Pilot with 2 years of commercial drone work and more than 900 logged flights under FAA Part 107. Flies photogrammetry, LiDAR and thermal imaging missions on the DJI Matrice 350 RTK, then processes data in Pix4D and ArcGIS. Plans every mission around LAANC airspace approval, weather and site safety.

EDUCATION

Bachelor of Science 12/2024

Metropolitan State University of Denver Denver, CO

Aviation and Aerospace Science (Unmanned Aircraft Systems)

EXPERIENCE

UAS Pilot 04/2025 - Present

Front Range Aerial Survey Denver, CO

Aerial mapping firm with 14 staff serving civil engineering, mining and utility clients.

- Fly **25-30** survey missions a month for construction, mining and utility clients across Colorado and Wyoming.
- Capture photogrammetry and LiDAR data over sites up to 1,200 acres at 2 cm ground accuracy using RTK base stations.
- Secure LAANC authorizations and complete flight planning for 140 controlled-airspace flights with zero incidents.
- Process imagery in Pix4D, check it in ArcGIS and deliver orthomosaics and surface models to clients within 48 hours.

Drone Operator 06/2024 - 03/2025

Mile High Roof Inspections Aurora, CO

Part-time roof and solar inspection work during the final year of a degree.

- Completed **320** roof inspections for hail and moisture damage with thermal imaging, reducing adjuster site visits by about 40%.
- Performed pre-flight inspections of the aircraft, batteries and propellers before each of 400+ flights.
- Wrote damage reports with marked-up photos for 12 insurance and roofing customers, usually within one business day.
- Recorded each flight, battery cycle and maintenance item in the company log for annual insurance review.

SKILLS

Part 107 • Flight Planning • Photogrammetry • LiDAR • Pix4D • ArcGIS • LAANC Thermal Imaging • Pre-Flight Inspections • DJI Matrice 350 RTK

CERTIFICATES

FAA Part 107 Remote Pilot Certificate

Federal Aviation Administration

05/2023

Level I Thermographer

Infrared Training Center

08/2024