

Bryce Pacheco

UAS OPERATIONS / GIS & MAPPING / TECHNICAL SYSTEMS

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01 / PROFESSIONAL PROFILE

UAS and geospatial degree candidate with hands-on experience in flight operations, photogrammetry, aerial inspection, ArcGIS analysis, robotics and sensing, technical data collection, operational compliance, and safety risk assessment. Brings project leadership, client-facing field experience, and clear technical communication to the work.

02 / EDUCATION & CREDENTIAL

Embry-Riddle Aeronautical University

Bachelor of Science in Uncrewed Aircraft Systems, degree candidate

Minor in Geographic Information Systems

FAA Part 107 Remote Pilot

LAANC authorization workflows, TFR awareness, waiver operations, preflight compliance planning, and crew resource management principles.

03 / PROFESSIONAL EXPERIENCE

Sales Representative & Drone Roof Inspector

Aerial inspection and client-facing field operations

- Conducted drone roof inspections to capture high-resolution imagery for storm and structural damage assessments and insurance claims.
- Worked with insurance adjusters to evaluate damage and support accurate documentation.
- Managed claim filing, follow-up, approval coordination, and communication among customers, adjusters, and project managers.
- Maintained inspection data, customer files, and project records in JobNimbus CRM.

04 / TECHNICAL STRENGTHS

Flight operations

Preflight planning, flight execution, operational documentation, advanced UAS operations.

Safety & compliance

Risk assessment, LAANC approvals, TFR awareness, waiver operations, CRM principles.

Data & software

Technical data collection, flight logs, JobNimbus CRM, programming fundamentals.

Security

UAS systems security and information security foundations.

GIS & geospatial

ArcGIS, mapping, spatial analysis, geographic databases, data visualization.

Systems & sensing

Robotics, sensors, servos, soldering, hardware integration, GPS flight logging.

Field operations

Aerial inspections, damage documentation, client communication, insurance coordination.

Communication

Technical report writing, project documentation, and presentations.

Applied work & academic focus

BRYCE PACHECO / PROFESSIONAL PROFILE

05 / APPLIED ACADEMIC WORK

UAS Robotics & Technical Integration

Embry-Riddle Aeronautical University

- Built hands-on skills in soldering, servos, hardware integration, and robotics laboratory work.
- Developed custom GPS-based flight-logging code and worked with components used in UAS robotics applications.

GIS Mapping & Geospatial Analysis

Embry-Riddle Aeronautical University

- Used ArcGIS to analyze and interpret geospatial data, create maps, and manage geographic databases.
- Integrated shelter and infrastructure information into maps for planning, turning raw geospatial data into actionable visual products.

06 / SELECTED COURSEWORK & CURRENT STUDIES

Flight operations & mission planning

Remote Pilot Operations; Advanced UAS Flight Operations; Uncrewed Systems Mission Planning; Operational Application in UAS; UAS Practicum.

Systems, sensing & design

UAS Systems Design & Integration; UAS Robotics; UAS Sensing Systems; Field Service & Sustainment; Advanced Air Mobility; Aerodynamics.

GIS, mapping & data

Introductory & Advanced GIS; Mapping Applications & Data Collection; geospatial analysis and geographic databases.

Safety, human factors & security

Crew Resource Management for UAS; Human Factors; UAS Systems Security; Foundations of Information Security.

Operations, management & communication

UAS Industry & Operational Applications; Air Traffic Management; ATC Tower; Management; Entrepreneurship; Technical Report Writing.

07 / LEADERSHIP & WORKING STYLE

Project leadership experience involving team coordination, planning, accountability, and community service. Technical interests include FPV drone building, UAS flight, computer software, and photography.

LET'S BUILD WHAT COMES NEXT

For UAS, GIS, technical systems, or field operations opportunities.

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