Gregory M. Gomes

Professional Profile

A sharp and energetic professional with a comprehensive background in aviation and technology, specializing in aerial solutions, heliport design, and project management. Demonstrated expertise in marketing, sales, research & development, and stakeholder engagement within the aviation industry. Member of the Vertical Flight Society and the Advanced Air Mobility Infrastructure Working Group, actively contributing to the evolution of air transportation systems

Professional Experience

HeliExperts International, Red Bank, NJ

Heliport Design Consultant
2017 - Present

Lead consultant for heliport siting, airspace analysis, and obstacle evaluation, supporting private, commercial, and institutional heliport projects across multiple jurisdictions.

Play a key role in FAA heliport certification, guiding projects through regulatory requirements, safety evaluations, and documentation.

Apply drone-based LiDAR, aerial photogrammetry, and advanced 3D modeling to produce high-accuracy site data, approach/departure surface analyses, and visual simulations.

Develop detailed 3D heliport and airspace models to evaluate feasibility, mitigate obstacles, and support client decision-making. Serve as a technical liaison between clients, engineers, surveyors, and regulatory agencies to ensure compliant, data-driven outcomes.

Carlson Software, Maysville, KY
Director of Drone Technologies
March 2024 - Present

Lead the development and testing of drone payloads and systems

Manage the integration of UAS and UAV technologies into Carlson Software's product offerings, focusing on photogrammetry, LiDAR, and surveying applications.

Oversee flight operations and ensure the functionality of systems such as the Carlson CRD1 drone.

Conduct detailed testing and troubleshooting of drone hardware and software to ensure compliance with FAA, FCC, and NDAA regulations.

Testing and verification procedures for new drone models and returned payloads, ensuring product quality and functionality.

Collaborate with internal and external teams to deliver comprehensive drone solutions for clients in construction, surveying, and industrial sectors.

SkyVue LLC, Pine Beach, NJ
President and CEO
2012 - Present

Proficient UAS Pilot and aerial solutions expert in LiDAR, photogrammetry, photography, and video.

Designed and maintained UAS, UAV, and model aircraft; managed multimedia aspects.

Led the company to become a recognized name in aerial technology solutions.

Domestic Securities, Edison, NJ
Mechanical Tech, Desktop Computer Support Technician
2010 - July 2011

Built and upgraded computer systems, provided technical assistance and problem resolution.

Model Rectifier Corporation, Edison, NJ
Model Aircraft Director
2008 - 2010

Managed international market monitoring and sales within the US territory.

Led customer service and product support, including research and development for new model aircraft.

Education

Seton Hall University, South Orange, NJ
Bachelor of Communications
Broadcasting, Graphic Design, and Computer Graphics, 2008

Licenses and Certifications

FAA Licensed Private Pilot

FAA Licensed Helicopter Pilot

FAA Licensed UAS Part 107 Pilot

Skills and Accolades

Proficient in customer service, Windows Operating Systems, Adobe Creative Suite.

Brand Representative for Camflite UAS.

Developer of a STEM program promoting new career paths in drones and aviation.

Athletic Achievements

Full Athletic Scholarship at Seton Hall University.

5-time Big East champion and record holder in the 500M dash.

Team Captain.