

# Matt W. Boland

## UAS Test Pilot

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### Professional Summary

I graduated from the University of North Dakota's John D. Odegard School of Aerospace Sciences with a B.S. in Aviation Studies, specializing in Aviation Safety, and minoring in Geography with a focus in geospatial science. My education focused on unmanned systems, OSHA, geomatics, aviation safety, and the aviation industry as a whole. This educational experience provided a solid foundation for my career. As a factory pilot for the VXE30 Stalker at Edge Autonomy and Vermeer, I gained expertise in troubleshooting hardware, software, and radio transmission issues while factory acceptance testing newly manufactured aircraft and software, and conducting research and development flights. I also have experience planning and executing missions to capture and process data for photogrammetric terrain modeling. Currently, I work as a test pilot for a brooklyn based start up called Vermeer. At Vermeer, I conduct research and development flights for alternative navigation systems and manage flight test operations for current products. My UAS experience involves flying rotorcraft, fixed-wing, and VTOL-transitional aircraft with diverse softwares and payloads, combining technical knowledge and hands-on experience with unmanned systems.

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### Work History

#### Vermeer- UAV Test Pilot- Brooklyn, NY

04/2025- current

- Currently conducting research and development flight tests, as well as factory acceptance testing on visual navigation systems using a variety of fixed wing, VTOL, and rotorwing UAS. Conducting maintenance on all equipment related to flight tests. Supporting meetings between company leadership, engineering, and production. Supporting customer demonstrations. Organizing, scheduling, and documenting all R&D and factory acceptance testing flight operations in the U.S.

#### Edge Autonomy – UAS Pilot III- Lead Factory Acceptance Test Pilot - San Luis Obispo, CA

06/2024– 04 /2025

- Certified pilot for the VXE30 Stalker with over 300 successful flights. Conducted factory acceptance test flights of all newly manufactured aircraft. Conducted research, development, and

engineering support missions to evaluate and fix software and hardware updates and improvements. Facilitated daily meetings with different production and engineering departments in a manufacturing environment to ensure smooth, safe, and organized operations. Provided and assisted with internal instruction on field repairs, preflight inspections, and aircraft and equipment maintenance.

**Create MPLS – Curriculum Consultant (UAS Summer Program) - Remote**

05/2024- 06/2024

- Drafted and consulted on curriculum development for UAS summer courses designed to teach the youth of south Minneapolis (ages 16-18) about UAS operations, safety protocols, and STEM applications. Advised on course content and each lesson's priorities, ensuring that the lessons aligned with the current state of the industry.

**WE DIG Excavation – Drone Pilot and Photogrammetry Apprentice- North Kingstown, RI**

06/2023 – 10/2023

- Conducted flights with the DJI M300 and a variety of other UAS using EO, IR, and LiDAR sensors to capture aerial data used for photogrammetry and terrain mapping for excavation and construction projects. Conducted site surveys and collaborated with other workers, environmental agencies, air traffic controllers, civilians, and surveyors to ensure all safety precautions were taken, allowing for consistent, safe, and well communicated missions in busy construction environments.

**Summit Drone Services – Drone Pilot and Owner- Saint Paul, MN**

11/2022 – 06/2024

- Created an aerial photography and videography company focusing on residential and commercial real estate. Primarily did free local work as a way to build hours and refine skills.

**Somerset Country Club – Lead Bartender, Locker Room Attendant- West Saint Paul, MN**

04/2017 – 08/2022

- Managed bar operations, ensured a high-quality guest experience in a fast-paced environment at one of the Twin Cities most exclusive country clubs. Provided leadership in team training and made guest lunch and dinner accommodations. Prior to bartending at Somerset Country Club, I worked as a locker room attendant. Tasks as a locker room attendant were to shine shoes, restock supplies, attend to specific guest needs, and to provide general maintenance around the club.

**Boland-Johnson Property Management – Property Manager and Owner- Twin Cities, MN**

04/2021 – 09/2021

- Managed property maintenance tasks for 3 large properties around the Twin Cities area. Responsibilities included landscaping, tree cutting, and documenting material and rental equipment costs.

## **Skills**

- **Factory Acceptance Testing:** Certified over 200 aircraft and many other components.
  - **Software:** Pix4D, DroneDeploy, ArcGIS Pro, Microsoft Applications, proprietary aircraft softwares
  - **Certifications:** Part 107 Commercial Drone Pilot License, Certified VXE 30 Stalker Pilot, Federal OSHA 30 General Industry, Federal OSHA 10 Construction Standards, FAA medical class III
  - **Technical Knowledge:** UAS platforms' capabilities/limitations, manufacturing, flight safety, mission planning, geospatial data processing, ISR, troubleshooting
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## **Education**

### **University of North Dakota 08/2021 – 06/2024**

- Major: Aviation
- Specialization: Aviation Safety
- Minor: Geography
- GPA: 3.71
- Extra curricular activities: RC Club, Gamma Theta Upsilon (Geography Honors Society)

### **Salve Regina University – 08/2020- 05/2021**

- Major: Marketing
- Extra curricular activities: Football Team, Real Estate Club
  - Transferred after freshman year to pursue an education in Aviation