

Logan Teeple

Mechanical Engineer

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EDUCATION

Olin College of Engineering, Needham, MA, Mechanical Engineering, May 2028

SKILLS

Mechanical Design: SolidWorks, Onshape, XFLR5, MATLAB, AVL

Electrical/Software Design: KiCad, Github, Python

Manufacturing: 3D printing, Laser Cutting, Reflow Oven, Soldering, Composites, Mill, Mig Welding

EXPERIENCE

Aerodynamics and Mechanical Lead sUAS Team

September 2024 - Present

- Designed and fabricated wing and composite fuselage.
- Wrote an autonomous flight path algorithm with Python.

Olin SAE Baja Gearbox and Rear Drivetrain Lead

September 2024 - Present

- Redesigning and fabricating the gearbox and connection to differential on a robust off-road car using SolidWorks. Optimizing for space, ease of manufacture and repair.

Underwater Glider Test Lead

September 2024 - Present

- Designing wing structures to test optimized airfoil and planform in MIT's underwater tow tank. Using SolidWorks and Ansys for analysis.

Project - Autonomous Ground Effect Vehicle with Lidar

May 2025 - Present

- Fully designed, analyzed and manufactured a sea plane GEV with Onshape, 3D printing, and COTS parts.
- Optimized for efficiency using XFLR5 and AVL aerodynamic analysis tools.

Research - Analyzing the Future of Commercial Aircraft Design

August 2022 - June 2023

- Completed meta-analysis research and trade studies to determine the future of commercial aircraft will be.
- Worked with an Aerospace Engineer from Boeing's Advanced Concepts Team to analyze key technical developments.

Private Pilot

June 2022 - Present

- 140 Flight Hours
- Aircraft Flown: Cessna 172, 206, 208, 182, Grumman Tiger, Diamond DA40

Founder, Aero Teach Systems

December 2024 - Present

- Real world models of aircraft systems to aid in teaching student pilots.
- Selling to flight schools across the country.