

Aiden English
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Education

University of Colorado Boulder	Graduation May 2026
<ul style="list-style-type: none">• Bachelor of Science in Aerospace Engineering Sciences• Minor: Computer Science• GPA: 3.84/4.00	

Professional Experience

MIT Lincoln Laboratory	May 2025 - Present
<i>Student Research Assistant Embedded Systems Active Optical Systems</i>	<i>Lexington, MA</i>
<ul style="list-style-type: none">• Developed software as a part of the embedded systems team for a large integrated laser sensing system.• Led design and development of a standby monitoring system built on a Raspberry Pi CM5.• Integrated multi-sensor telemetry with logging and real-time monitoring to assess system health.• Engineered control logic and software for control of a UV-C anti-biofouling system.• Designed and implemented a modular GUI toolkit in C++/Qt, integrating with custom command and control middleware to streamline GUI development for rapid prototyping.	

DB Roberts	May 2023 – May 2025
<i>CAD Intern</i>	<i>Wilmington, MA</i>
<ul style="list-style-type: none">• Utilized DriveWorks to build automation systems and create 50,000 SolidWorks parts and technical drawings of commercial fasteners for sales.• Fulfilled all customer technical drawing requests across 32 divisions worldwide.• Successfully managed my own schedule, project timeline, and software procurement.	

Projects & Activities

Senior Projects Chief Engineer	August 2025 - Present
<ul style="list-style-type: none">• Lead 40 students in the design, build, and test of an N+3 aircraft to compete with the Boeing 737.• Lead systems engineering efforts, coordinating 8 subteams through requirements definitions, schedule management, and design integration.• Conduct and oversee trade studies and perform technical analysis across multiple disciplines to guide design.	

Spacecraft Design Flight Software Lead	January 2025 - Present
<ul style="list-style-type: none">• Serve as the Flight Software/Simulation lead on a 15-person graduate team designing a spacecraft for detection, interception, and deterrence of unexpected spacecraft in lunar orbit.• Design spacecraft flight software architecture, balancing power, memory, cost, and compute budgets against mission and system-level requirements.	

Daisychain Labs Co-founder	August 2024 – May 2025
<ul style="list-style-type: none">• Co-founded a student run startup that integrated NFC technology into music industry merchandise.• Developed, tested, and launched a full stack application that interfaced with integrated NFC chips.	

Sounding Rocket Lab Member	August 2022 – May 2024
<ul style="list-style-type: none">• Collaborated in subteams to design and manufacture solid and liquids rockets.• Prototyped and iterated mission control units including a test stand integrated with telemetry capture.	

Skills

Software: SolidWorks, Ansys Fluent, Ansys Mechanical, OpenVSP, Git, Eagle E-CAD, Excel, Linux, Docker.

Programming: C/C++, MATLAB, Python, JavaScript, React, Node.js, SQL, HTML/CSS.

Relevant Classes: Fundamentals of Fluids, Gas Dynamics, Spacecraft Design, Aerodynamics, Electronics.

Achievements

- CU 2023 Climate Action Expo grand prize
- Dean's List