

Aiden English

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Education

University of Colorado Boulder

Graduation May 2026

- Bachelor of Science in Aerospace Engineering Sciences
- Minor: Computer Science
- GPA: 3.84/4.00

Professional Experience

MIT Lincoln Laboratory

May 2025 - Present

Student Research Assistant | Embedded Systems | Active Optical Systems

Lexington, MA

- 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

CAD Intern

Wilmington, MA

- 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

- 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

- 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

- 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

- 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