# Caleb Smith

Mechanical Engineering Student focused on aerospace innovation and research
Ohio University Honors Program Athens, OH
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## Experience

**Wyatt Lab** | Ohio University                                      Sep 2025 – Present
*Student Researcher*
- Secured undergraduate research position, developing **lab technique**, **data analysis**, and **scientific communication** skills

**Student Spaceflight Experiments Program** | Ohio University         Sep 2025 – Present
*Team Lead*
- Leading a student team **developing a research proposal** for a potential flight aboard the **International Space Station**. Coordinating planning, **technical research**, and **mentor feedback**
- **Top three** teams selected from Ohio University
- Conducted research on Field's Metal Solidification and grain structure in microgravity

**Rocket Club** | Ohio University                                    Sep 2025 - Present
*Rocket Designer*
- Independently designing and building a model rocket kit through Rocket Club.
- Designing a **custom electronic payload** to collect flight data

**Science Outreach** *Volunteer*                                     Sep 2025 - Present
- Leading science talks and demonstrations for local youth to inspire interest in STEM

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## Leadership & Involvement

- **Senior Awards Night Speaker,**                                   April 23 2025
  - Selected through competitive tryout to speak at a school-wide event for 700-1,000 attendees
- **Peer tutor AP Physics C,** Lakota East                           Aug 2024 - May 2025
  - Helped classmates understand complex physics problems through clear, simplified explanations known for being approachable and effective
- **Team Co-Lead,** Computer Integrated Manufacturing Project         Jan 2023 - May 2023
  - Led subteam of 6 in a 15 member group to design and build an automated workflow using cylinders, pistons, and motors

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## Education

*Ohio University, Athens OH*
Major: Mechanical Engineering                                        Expected Graduation 2029
Honors Program
*Lakota East High School*, Liberty Township OH GPA: 3.82            Aug 2021 - May 2025
- Honors Diploma | Top 10% of Class | AP Scholar

## Skills

| Technical | Soft Skills |
|---|---|
| - 3D modeling (Onshape, Inventor) | - Public Speaking selected to speak at competitive academic and school wide events |
| - CAD and circuit design (AutoCAD, NI Multisim) | - Leadership and team collaboration including co-leading |
| - Microsoft Office | - Peer tutoring and clear communicator in technical subjects |
| - Basic Arduino experience | |