

Education	Georgia Institute of Technology , Atlanta, GA <i>Bachelor of Science in Aerospace Engineering</i> GPA 4.0/4.0	May 2027
	Adlai E. Stevenson High School , Lincolnshire, IL <i>High School Diploma with Highest Honors</i> - GPA 4.81/4.0 - National Merit Commended Scholar - Illinois State Scholar - AP Scholar with Distinction - Illinois State Seal of Biliteracy	May 2023
Skills	Programming: Matlab, Basic Java Computer-Aided Design: Autodesk Inventor, Solidworks Finite Element Analysis: Ansys Digital Electronics: Circuit Design, AOI Logic, Schematic Diagrams, Programmable Logic Devices, Multisim Tools: Laser Cutter, 3D Printer, Soldering Iron Language: English (fluent) and Spanish (intermediate)	
Projects	Martian Advanced Renewable Systems Research Team, Rover Sub-team - Collaborating with a team to research, develop, and test renewable energy systems in collaboration with scientists and engineers at NASA's Kennedy Space Center - Researching and designing rovers for excavation and transportation and aerial drones that can fly in the thin Martian atmosphere	January 2024 – May 2024
	Excess Aviation Ground Emissions - Researching with a group to engineer a solution to the issue of excess emissions in aviation ground operations - Communicated with several local stakeholders to learn more about aviation ground emissions and policies - Developing a solution that can be seamlessly incorporated into airport ground operations	August 2023 – May 2024
	Rocket Launch - Collaborated with a team to modify the existing design of a single-stage model rocket with an altimeter payload and a target apogee of 140 feet - Used OpenRocket simulator to test various designs and trajectories and determine an ideal rocket design - Used Solidworks CAD software to 3D print necessary components of the structure - The rocket reached a maximum height of 325 feet, which was only 3 feet lower than the expected height from our simulations	September 2023
Honors & Awards	Georgia Tech Faculty Honors Recipient Fall 2023 AbbVie Possibilities Scholarship Recipient National High School Coaches Association Academic-All American Honorable Mention Illinois High School Association State Champion Girls Water Polo	
Leadership & Involvement	Georgia Tech Ramblin' Rocket Club – Experimental Rocketry, <i>Propulsion Subteam</i> National Aerospace Engineering Honor Society, Sigma Gamma Tau Georgia Tech AIAA Grand Challenges Living-Learning Community Alpha Chi Omega – Epsilon Phi Sorority Georgia Tech Swim Club	September 2023 – Present January 2024 – Present September 2023 – Present August 2023 – Present August 2023 – Present
	Adlai E. Stevenson High School Varsity Water Polo, <i>Team Captain (2023)</i> Varsity Swimming National Honor Society, <i>Zero-Hunger Committee Leader (2022)</i> Peer Tutors	March 2019 – May 2023 August 2019 – May 2023 August 2021 – May 2023 August 2022 – December 2022