

Isabel Moore

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OBJECTIVE	Responsible, hardworking mechanical engineering student who is passionate about aerospace, has co-op internship experience, has laboratory testing experience, and is engaged in extracurricular computer science pursuits.	
EDUCATION	Texas A&M University , College Station, TX <i>Bachelor of Science in Mechanical Engineering</i> <i>Minor in Computer Science</i>	Aug 2019 - May 2024
HONORS & AWARDS	Dean's Honor Roll Rachel and Jeff Garry '89 Scholarship J. Mike Walker '66 New Perspectives Scholarship	
PROFESSIONAL EXPERIENCE	Southwest Research Institute , San Antonio, TX <i>Incoming Fellow for 2023 Gas Turbine Industrial Fellowship Program</i> <ul style="list-style-type: none">Selected as one of eight undergraduate and graduate students to conduct research, engineering, and design projects.. American Airlines , Charlotte, NC <i>Airbus A320F Engineering Co-Op</i> <ul style="list-style-type: none">Maintain and manage A320F systems and structures with repair and inspection to ensure compliance, airworthiness, and safe operation of aircraft and component parts.Develop Engineering Orders (EO) for incorporation of Service Bulletins (SB), Airworthiness Directives (AD), and other modifications specified by Airbus.Construct and implement alterations to maintenance programs in accordance with FAA regulations, aircraft and component manufacturers, and American Airlines policies and procedures. Turbomachinery Laboratory , Texas A&M <i>Undergraduate Research Technician</i> <ul style="list-style-type: none">Assisted in maintaining test rig devoted to quantifying flow rate effect and performance of tilting pad journal bearings with flooded or evacuated ends.Performed complete assembly and disassembly of test rig including troubleshooting error codes and pressurized air leaks.Conducted and examined performance of test rig with tilting-pad carbon-graphite porous journal bearings through various static loads, displacements, and pressures. NASA L'SPACE Academy , Remote <i>Apprentice</i> <ul style="list-style-type: none">Composed concept proposal within an interdisciplinary co-located team through first two phases of NASA project life cycle, from mission statement to preliminary design and technology completion.Responsible for understanding NASA mission protocols, procedures, and practices, while performing trade study and technical analysis of concept performance and cost.	May 2023 - Aug 2023 Jun 2022 - Dec 2022 Jan 2022 - Present May 2020 - Aug 2020, May 2021 - Aug 2021
LEADERSHIP EXPERIENCE	Information Technology Services , Texas A&M <i>Incoming Cybersecurity Student Analyst</i> <ul style="list-style-type: none">Selected for the Cybersecurity Apprenticeship Program (CAP) sponsored by the Department of IT at Texas A&M. Texas A&M Women in Engineering (WE) , Texas A&M <i>Ambassador, Mentor</i> <ul style="list-style-type: none">Advocated WE and College of Engineering programs to prospective students and parents through panels, presentations, and online communication. MEEN (Mechanical Engineering) Girls , Texas A&M <i>Events Director, Special Events Committee</i> <ul style="list-style-type: none">Elected to serve as Events Director of a 70+ member organization for 2021-22 academic year.Responsible for planning and organizing professional and educational events.Coordinate interactive speaker meetings, engage with company representatives, and grow business contacts.	Jan 2023 - May 2023 Jan 2021 - Present Jan 2021 - May 2022
CERTIFICATES	Splunk Fundamentals Part 1 , Splunk 2022 Applied Data Science with Python - Level 2 , IBM 2022 Data Analysis with Python , freeCodeCamp 2022	
TECHNICAL SKILLS	SolidWorks, Python, Matlab, HTML, CSS, Fortran, VBA, and Microsoft Office products	