

## EDUCATION

**Princeton University** | Princeton, NJ

May 2026

*Candidate for Bachelor of Science in Engineering*

*Major: Mechanical and Aerospace Engineering | Minor: Robotics*

*Honors/Awards: Questbridge Scholar*

**Brazoswood High School** | Lake Jackson, TX

May 2022

*Cumulative GPA: 4.23/4.00 | SAT Score: 1470/1600 (700 EBRW & 770 Math)*

**Brazosport Community College** | Lake Jackson, TX

Dual Enrollment

*Cumulative GPA: 4.00/4.00*

## Relevant Coursework

• Mathematics in Engineering • Solid Mechanics • Thermodynamics • Engineering Design • Dynamics

## SKILLS

• Java/GCode/HTML/CSS • CAD-based and 3D Design (Fusion/Creo) • Own/Operate 3D Printer (Prusa/Creality) • Microsoft Office

## LANGUAGE

• English (Proficient) • Arabic (Fluent)

## TECHNICAL EXPERIENCE

**Princeton Electric Propulsion and Plasma Dynamics Laboratory** | Research Assistant

October 2023 – Present

- Coordinate with fellow team members and NASA researchers to work on testing and iteration of magnetoplasmadynamic thrusters.
- Part of the diagnostic team tasked with ensuring correct engine functions, including thrust stand calibration and onset voltage avoidance

**NASA Stem Enhancement in Earth Science** | Summer Research Intern

May 2021 – August 2021

- Collaborated with mentors/fellow interns to perform research on the spread of mosquito-borne diseases and their habitats.
- Collected data for ongoing NASA land cover and remote sensing projects to compare with satellite data.

**Brazoswood Rockets Team** | Lead Engineer | World Record Holder

August 2019 – June 2022

- Managed and facilitated the research, design, and construction of high-powered rockets.
- Built rockets capable of recording their own flight, breaking the sound barrier, and carrying a payload up to 50,000 feet.

**Science Olympiad** | Four-Time State Qualifier | Team Captain

August 2016 – May 2022

- 10+ top three regional finishes. Worked with advisors on recruitment, budgets, and competition prep.
- Designed rockets, miniature vehicles/planes, parachutes, and bridges utilizing CAD, microcontrollers, and Excel.

## LEADERSHIP EXPERIENCE

**National Honor Society President**

August 2021 - May 2022

- Ensuring success by working to find/create volunteer opportunities, run meetings, and supervise and assist with events
- Promote the pillars of NHS (scholarship, character, service, leadership) and establish a more involved student body

## WORK EXPERIENCE

**Private Tutor** | Chemistry | Calculus | Physics

May 2022 – Present

- Develop Curriculum for multiple subjects, including learning materials and exams. Host multiple 2-hour lectures weekly.

**Whataburger Team Member**

July 2020 – August 2023

- Operated cash register, prepared food, and interacted with customers in a friendly and professional manner.
- Coordinated with coworkers to ensure customer satisfaction, guaranteeing correct orders, prompt service, and great food.

## VOLUNTEER EXPERIENCE

**Local Library Volunteer**

June 2017 – August 2021

- Engaged in event planning, operating 25+ events with over 1500 attendees total.
- General patron assistance, and book shelving/organization.