

# ANDREA RIVERA

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**Objective:** An enthusiastic candidate, seeking an engineering internship, who goes above-and-beyond to ensure hard work, professional growth, and positive contributions to a work environment through strong leadership, innovative ideas, and smiles.

## Education:

**Texas A&M University**, College Station, Texas

Graduation: May 2023

*Bachelor of Science in Aerospace Engineering | Minor in Mathematics and Spanish*

GPR: 3.564 / 4.0

## Experience:

**The Boeing Company**, Plano, Texas

June 2018 – August 2018

*Business/General Aviation Intern:*

- Identified gaps within business portfolios to identify opportunities for growth and expansion.
- Analyzed Aviation market for gap analysis.
- Researched specific market areas to develop recommendations for business pursuits while providing comprehensive business case justifications.

**Asociar LLC**, Plano, Texas

June 2017 – August 2017

*Business Administration and Sales Intern:*

- Created an organized administration process to manage projects and client information all within the same program.
- Aided in the planning and development process of an updated company website while analyzing the telecommunications markets and needs within network and supply chain services.
- Maintained ongoing administrative support to executives through daily organizational management of operations, ongoing customers, and strengthening potential business partnerships.

## Projects:

**Aggie Satellite Laboratory**, College Station, Texas

August 2020 – Present

*AggieSAT7 Engineering Team Lead:*

- Oversee the assembly, integration, test verification, and validation of the satellite and its subsystems.
- Work alongside 23 other team members to build AggieSAT7 satellite from the ground up through a systems engineering management plan with a focus on integration of all subsystems.

**FIRST Robotics Competition Team**, Plano, Texas

August 2016 – May 2019

*Engineering Mentor and Team Builder: - Chain Reaction (Team #617) / Vibots (Team #11341)*

- Participated in the creation of planning, designing, and manufacturing process of 4 100-pound purpose-built competition robots for every new competition season.
- Acquired skills in software to oversee robot's autonomous skills, mechanical and electrical engineering, and systems engineering to build a working robot while executing multiple engineering disciplines.
- Communicated ideas of engineering design, circuits, wiring, systems integration while strengthening teamwork skills and solving abstract problems.

**Extreme Engineering Challenge (XEC)**

October 2020

*Awarded title of Extreme Lead Engineer / 3<sup>rd</sup> Place team:*

- Led a team of 10 members within an intense 24-hour challenge in the creation of designing and promoting a mock company utilizing advanced VR technology.
- Awarded title of Extreme Lead Engineer and scholarship as part of the Top 5 engineers amongst all participants.

**Personal Website**

August 2020 – Present

- Coded and executed a website to showcase personal projects, experiences, skills, and background.
- Applied skills in coding languages through HTML, CSS, and C++ to execute a personal website vision.

## Leadership:

**Society of Hispanic Professional Engineers**, College Station, Texas

August 2020 – Present

*SHPEtina Social Media Representative and Committee Member:*

- Collaborate ideas with chapter President and members in brainstorming and organizing events that encourage and empower women in the STEM community and professional development.
- Coordinate alongside representatives to expand SHPEtina outreach and provide content for women in STEM.

*Technical Affairs Committee Member:*

- Work alongside committee members to oversee the data management surrounding SHPE while strengthening coding skills in HTML, CSS, JavaScript throughout various networking projects.
- Discuss with Eboard members to increase membership retention and outreach within SHPE through technical aspects.