

# Carlos A. Velazquez

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## OBJECTIVE

Sophomore Mechanical Engineering student seeking an internship for Summer 2023 to develop my technical skills in design and manufacturing.

## EDUCATION

**Texas A&M University**, College Station, Texas  
*Bachelor of Science in Mechanical Engineering*

Graduation: May 2025  
GPA: 3.76/4.00

## PROJECTS

### 2 Turbo V6 Engine

**October 2022 – Present**

- Utilized **SolidWorks** to create a detailed 3D model of an engine based on images by assembling several individual parts
- Researched how an engine works, the function of each component, and how to read engineering drawings

### Personal Website

**October 2021 – Present**

- Designed and developed a personal website using **HTML 5** and **CSS**
- Utilized GitHub to view the website's progress

### Pig Game

**November 2021 – December 2021**

- Collaborated with a team to design Pig Game, a rolling dice game, using **Python**
- Developed the menu options, rules of the game, and dice as well as set objectives

## WORK/LEADERSHIP EXPERIENCE

**Society of Hispanic Professional Engineers**, Texas A&M University  
*Athletic Representative*

**August 2021 – Present**

- Organized all athletic logistics, including SHPE intramural leagues, Friday Fitness, and Get Fit with SHPE
- Managed the Workout Community Point System using **Excel** to keep track of 80 members' points

*SHPEathon Mentor/Judge*

**December 2021 – February 2022**

- Assisted in organizing SHPEathon, a hackathon event, by developing the format of the competition of 40 students
- Mentored students by assisting with a financial budget, design documents, presentations, and sales pitches
- Judged teams' presentations and gave feedback on the final day of the competition

**Xtreme Engineering Challenge**, Charlotte, North Carolina  
*Engineer Participant*

**November 2022**

- Selected to be in Team Boeing out of a highly competitive pool of 400 students
- Collaborated with 10 other engineers to create a mock company named True Orbital which provided commercial spaced-based service, in 24 hours of research, design, and marketing
- Designed a model of our space station based on the ISS using **SolidWorks**

**Complete Printing and Publishing**, Carthage, Texas  
*Seasonal Bindery Machine Operator*

**June 2021 – August 2022**

- Operated stamping, stitching, pressing, trimming, and binding machines and maintained them utilizing hand tools such as wrenches, pliers, and hex keys for proper function on the next job order
- Observed up to three machines at a time quickly resolving any errors to prevent loss of production
- Produced 8-10 job orders daily to ensure orders are received by customers in a timely manner and to increase company efficiency

## HONORS

**Deans Excellence Award**

**July 2021**

- Awarded by the College of Engineering to students who obtain a 3.75 GPA or above each semester

**HSF Scholar**

**June 2022**

- Awarded by the Hispanic Scholarship Fund from a highly competitive pool of applicants

## SKILLS

Bilingual (Spanish/English), SolidWorks, Python, Microsoft (Word, Excel, PowerPoint) HTML, CSS, JavaScript