

## EDUCATION

**Texas A&M University | Engineering Honors**, College Station, TX August 2024 - May 2028  
*Bachelor of Science in Mechanical Engineering, Minor: Math and Physics*

- **GPA:** 4.000/4.000 (4.000 Scale)
- **Relevant Coursework:** MATH 251(Calculus 3), MATH 308 (Differential Equations), ENGR 102 (Programming)

**John Foster Dulles High School**, Sugar Land, TX August 2020- May 2024

- **GPA:** 3.983/4.00 (Unweighted); 4.59/4.00 (Weighted), 102.032 (100 Point Scale)
- **Rank:** 10 out of 518 (Top 2%)
- **SAT:** 740 Verbal and 760 Math: 1500
- **Relevant Coursework:** AP Calculus BC (5), Multivariable Calculus, AP Statistics (5), AP Physics C: Mechanics (5), AP Physics C: Electricity and Magnetism (5)

## PROJECTS

**Pokemon Island Adventure** September 2023-Present

- Programmed a **new Pokemon game** with a new story and mechanics
- **Wrote scripts** to trigger events and data in poryscript, a high-level scripting language
- **Mapped new areas** and new objects in Porymap by adding **custom sprites and coding new flags**

**Ocean Trash Predictor** October 2024

- Designed a web application that **predicts the nearest big center** of trash in a 50 mile radius based on user inputs
- Programmed a **machine learning model** to predict where trash would be located in the ocean
- Developed a local website using **Flask and Folium and Leaflet** APIs to display a map to take input and calculate the nearest likely trash

**Mousetrap Car** October 2023-November 2023

- Raised **\$2000** for charity
- Designed **3 mousetrap cars** to teach middle and elementary schools physics concepts
- Increased distance traveled by **over 10 feet** to get about 35 feet of travel by designing over **5 different axles**

## LEADERSHIP & COMMUNITY INVOLVEMENT

**Texas A&M Science Olympiad Society** August 2024-Present

- **Wrote tests** for invitational of middle school students in various subjects from physics to archeology
- Host invitational for middle school students
- Host state competition for high school students
- Wrote invoices for teams looking to enter

**Science National Honor Society (SNHS)** 2021 - 2024

- Vice President for the 2023-2024 Year
- Raised over **\$2000 for charity** by preparing a math and science night where experiments are set up to teach over **150 elementary** school students science.
- Raise **\$9000** by hosting a math and science competition for over **150 elementary and middle school students**
- Reduced competition delay by over **4 hours** by leading and managing tab room team
- Taught **100 members** different science concepts every week
- Increased club membership by over **50 members**

**SciNow** 2021-2024

- Taught **30-60** students at different elementary schools science concepts through experiments every two weeks
- Lead **over 50** elementary school students on a field day teaching science concepts
- Hosted Science Bowl competition for **over 50** elementary school students.
- Managed communication between external organizations and SciNOW

## SKILLS

### Languages and Skills:

- Conversant in Vietnamese
- Skilled in **C, Python, HTML, CSS, and Typescript**, familiar with Microsoft Excel, familiar with Solidworks
- Skilled in magic

## HONORS AND AWARDS

**Ideas Challenge Finalist-** Issued by McFerrin Center for Entrepreneurship September 2024

- Selected as a **finalist** for the Texas A&M Ideas Challenge, a **prestigious campus-wide entrepreneurship competition** for the startup idea, *Fast Responder*.

**AP Scholar with Distinction** 2023-2024

- Granted to students who receive an average score of **at least 3.5 on all AP Exams** taken, and scores of 3 or higher on five or more of these exams.