

Joshua A. Duarte

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Education

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

Graduation: May 2022
GPR:3.672/4.0

Experience

Northrop Grumman, Palmdale, California

May 2019 - August 2019

*Technical College Intern, Aerospace Systems, **Top-Secret Clearance***

- Assembled and tested electronic, mechanical, and electromechanical systems to ensure consistency and quality
- Developed 3D models, assemblies, and engineering drawings using CATIA V5 to fabricate solutions
- Facilitated the development of a Subsystem Design and Analysis Lab at the request of sector leadership

TAMUhack, College Station, Texas

UI Design Lead, PwC Challenge Winners

February 2020

- Handpicked to attend Texas A&M University 24-hour hackathon challenge
- Developed the user interface of an IOS application using Swift on XCode platform
- Presented a real time demonstration revealing the capabilities of application

Design Lead, Best First Time Hackers, CBRE Challenge Winners

January 2019

- Lead project management including the designing and building of the working prototype
- Responsible for the delivery of the sales pitch that resulted in a 1st place finish within two separate challenges
- Incorporated C coding method to manipulate Qualcomm DragonBoard to align with the project design

Engineering Inc., College Station, Texas

February 2020 - Present

Fermii, Founder, Team Lead

- Organized a team that would be responsible for the development of an application within the organization
- Developed a base model of a business plan that would be used in creating an application that would appeal to consumers

Leadership Experience

Society of Hispanic Professional Engineers, College Station, Texas

August 2018 - Present

Rookie of the year 2018-2019

Director of Technical Affairs

May 2020 – Present

- Elected to be responsible for the development of the website and application for the Texas A&M University SHPE chapter
- Organized a committee that would assist in projects throughout the academic year pertaining to technical affairs

MentorSHPE Program

August 2019 - Present

- Established as a mentor for a freshman student pursuing a mechanical engineering degree
- Met with mentee monthly discussing personal development and their academic endeavors

Extreme Engineering 24 Hour Challenge

November 2018

Design Lead for General Motors, 2nd in the Nation

- Chosen to represent General Motors, Corvette, out of 600+ student applicants
- Designed, prototyped, and marketed a solution for smart appliances that could easily integrate into the home
- Developed a 3D model using Autodesk Inventor and managed group in building final prototype

Texas A&M Men's Club Soccer, College Station, Texas

August 2018 - Present

Member

- Practice and compete with the team at national competitive level
- Meet with other team members to study course work to increase grade point ratio

NCAA Division One Women's Soccer Practice Player

January 2019 - Present

- Selected to be one of six practice players for Texas A&M Women's soccer team
- Attend practices throughout the week to increase their speed of play for divisional tournaments and games

ExxonMobil Future Leaders Academy, Houston, Texas

October 2019

- 1 of 40 students handpicked from across the nation to attend leadership development convention
- Conversated with executive leaders throughout different parts of the ExxonMobil Corporation
- Attended numerous workshops that focused on the development of professional and leadership skills

Skills

- CATIA V5, Autodesk (Inventor and AutoCAD), SolidWorks, Python, Xcode, Swift, HTML, CSS, Bilingual (English/Spanish)