

# 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

**ExxonMobil**, Houston, Texas

June 2020 - August 2020

UIS Wells Digital Innovation & Automation Intern

- Enhanced and developed a SharePoint tool that captures and distributes learnings found during the Well construction process
- Met and discussed with numerous Well Engineers to design a seamless user interface using Nintex Forms/Workflows, JavaScript, jQuery, HTML, CSS, along with VBA within Excel.
- Constructed a repository that held drilling and onboarding information that benefited current and future ExxonMobil Well Interns

**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 1<sup>st</sup> 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 technical affairs seen throughout the chapter for the 2020-2021 academic year
- Established a committee that assists in website development duties, point system automation, and application development
- Meet weekly with executive board or committee to discuss and manage future events and goals
- Created numerous initiatives that encourage membership retention and technical development

MentorSHPE Program

August 2019 - Present

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

**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
- Conversed 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)