

Steven D. Bissmeyer
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EDUCATION

Texas A&M University, College Station, TX May 2021
Bachelor of Science in Mechanical Engineering; GPA: 3.6

RELEVANT AND WORK EXPERIENCE

Senior Project, College Station, TX August 2020 – May 2021

- Designed spacecraft for overlapping laser-particle beam propulsion system for deep space missions
- Managed thermal design and FEA analysis of various systems for validation of thermal design components
- Machined and tested apparatus of design inside of a vacuum chamber using a 2 kW laser at ALLEMO testing facility

Student Engineers Council (SEC) Directed Internship, College Station, TX Summer 2020

- Worked on a multidisciplinary engineering team to design a refrigeration system to transport vaccines
- Performed detailed financial analysis and presented product to potential customers
- Attended over 30 hours of seminars from professors of practice and industry professionals

Adonis, Grand Prairie, TX, *Intern* Summer 2019

- Researched and presented on General Motors automotive powertrains, focusing on reliability
- Shadowed and assisted technicians on car repairs ranging from changing out brake pads to replacing an engine
- Analyzed different systems of the business; completed audits to decide what future resources made financial sense

UPS, McKinney, TX December 2020 - January 2021

- Managed delivery of packages by sorting and handling packages in a reliable manner
- Ensured high deliver efficiency by managing sorting system and quickly running packages
- Worked within Covid-19 standards and upheld necessary protocols

Special Insurance Services Inc., Richardson TX, *File Clerk* Summer 2018

- Managed sorting and moving of insurance files to improve accessibility

LEADERSHIP

BUILD, Texas A&M University November 2017-2020

Student Supervisor, Volunteer

- Supervised and worked alongside volunteers, assigning tasks in the construction of 5, \$25,000 portable medical containers
- Attended meetings and trainings for safety and knowledge of upcoming events

Fish Camp, (extended orientation for freshmen) Texas A&M University Summer 2018

Counselor

- Worked with group of 26 peers for 6 months to develop a 3-day orientation involving activities and presentations
- Led group of 16 incoming Freshmen with a partner in small group discussions and activities
- Assisted in transitioning 170 freshmen into A&M community and mentored through their first year

Freshmen Leaders on Campus (FLOC), Texas A&M University September 2017 - May 2019

Counselor/Staff, Service Committee

- Organized meetings and social events and helped freshmen develop leadership skills
- Planned weekly social events with a partner for 8 freshmen
- Coordinated service events with organizations such as BUILD and Replant

INVOLVEMENT

ASME (American Society of Mechanical Engineers), Texas A&M University January 2019 - Present

The Big Event, Texas A&M University March 2018, 2019

Intramurals, Texas A&M University March 2018 - Present

Saint Jude Catholic Church August 2016 - May 2017

- Aided and taught group of 4th graders once a week

Commit to Dallas, Jesuit College Preparatory School August 2016 - May 2017

- Worked once a week with groups of 10 elementary students in Dallas ISD to help improve reading & math

HONORS

AAPT Physics Bowl – Top Jesuit Scorer among 100 participants - Recognition of excellence in AP Physics competition

Texas A&M Dean's Honor Role

Green Scholarship

SKILLS

Proficient in Microsoft Word, Excel, PowerPoint, SolidWorks(Design and FEA)

Experience with Python, Matlab