

# Joss Bhuiyan

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## EDUCATION

### Texas A&M University

*Master of Science in Finance  
Mays Business School*

**College Station, Texas**

*May 2025*

*Cumulative GPA: In Progress*

### Texas A&M University

*Bachelor of Science in Mechanical Engineering  
College of Engineering*

**College Station, Texas**

*May 2024*

*Cumulative GPA: 3.31/4.00*

## PROFESSIONAL EXPERIENCE

### Westwood

*Solar Farm Site Design Engineering Intern*

**Houston, Texas**

*May 2024 – August 2024*

- Designed road systems, fencing and erosion prevention in Civil3D AutoCAD for 10+ solar farms greater than 1000 acres
- Aided New York clients in adding hundreds of modifications on the final design phase of a 4000-acre solar farm while ensuring professional engineering standards and practices
- Composed exhibits for clients to clearly view and analyze flood depths, fire code safety standards, and site construction phases for solar farm layouts across the United States
- Collaborated with environmental engineers to place solar arrays and avoid both wetlands and protected areas

### NASA

*Mechanical Engineer SVMF Design Intern*

**Houston, Texas**

*May 2023 – August 2023*

- Measured, modeled, and 3-D printed the tank enclosure and funnel for the toilet in Node 3 of the International Space Station (ISS) in the Space Vehicle Mockup Facility (SVMF)
- Procured pipe fittings, power cables, connectors, fasteners, and sewing fabric worth hundreds of dollars for construction of SPACE-X hatch covers; wrote detailed engineering instructions for installation of cables and hatch covers
- Designed and stress assessed a wall-attached table to hold 50 lbs. of ISS equipment for the inner wall of an ISS module

### Texas A&M University Intramurals

*Basketball Referee*

**Houston, Texas**

*September 2022 – December 2023*

- Monitored and refereed 100s of games for a league of over 300 participants while focusing on the safety of players
- Cultivated confidence in myself and coworkers to manage rules, game action, and regulations according to the NFHS
- Developed trust and rapport with 100's of players and 20+ fellow Referees to regulate games with minimal conflict by using active listening, humor, and discussion with players

## LEADERSHIP & INVOLVEMENT

### Engineers Without Borders

*Rwanda / Arkansas Project Lead Officer*

**College Station, Texas**

*January 2023 – Present*

- Nationally recognized in the 2023 Engineers Without Borders USA Annual Report, featured in the prestigious Student Spotlight for outstanding leadership and achievements as a project lead
- Lead student volunteering group of 15 students through research and design phase of solar power equipment for 2025 project to reduce manual labor and increase profits for 20+ small farmers
- Organized routine meetings with professional mentors, product clients (Heifer USA & IDA Rwanda), and organization representatives (EWB USA) to discuss travel, design, and construction timelines
- Communicated and collaborated with the rural community of Rwanda to assess satisfaction of latrines through interviews with the leader of IDA Rwanda, written surveys, and organizing a student monitoring trip to Rwanda

### Halliburton Senior Design Project (1<sup>st</sup> place)

*Mechanical Engineering Senior Design*

**College Station, Texas**

*August 2023 – April 2024*

- Designed and manufactured a steel bracket with gas springs to lift over 100 lbs. of steel and meet customer needs
- Planned and executed 15+ hours of experimentation to validate designs and internal modifications of cement mixing head

## SKILLS, ACTIVITIES & INTERESTS

**Technical Skills:** SolidWorks, Creo, Python, Civil3D AutoCAD, Photovoltaic Systems, Minitab, Data Analytics, Microsoft Excel

**Awards:** Major Senior Design Project (1<sup>st</sup>), Aggies Invent Nuclear Security 2022 (3<sup>rd</sup>), 2019 South Central Go Tournament 3<sup>rd</sup> Band (1<sup>st</sup>), 2018 Austin Texas Open Go Tournament Handicap Section (1<sup>st</sup>)

**Activities:** Intramurals, Engineers without Borders, Go Club and Tournaments, Aggies Invent, Big Event

**Interests:** Renewable Energy, Basketball, Rock Climbing, Language Learning, Piano, Dancing, Hiking, Travel, Gaming