

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

West Wood

Incoming Site Design Engineering Intern

Houston, Texas

May 2024 – August 2024

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 Space Vehicle Mockup Facility of the International Space Station
- Procured \$250 of pipe fittings, power cables and connectors, fasteners, and sewing fabric to be used in construction of the hatch covers; wrote detailed engineering instructions for installation of cables and hatch covers

Engineering Technician

May 2021 – August 2021

- Improved and fixed GPS satellite file reader C++ code in Linux to return values for powered off satellites and maintain correct label designation for 25+ satellites
- Simulated the new GPS satellite file reader code using ISS databases and displays to validate the improved C++ code was working properly according to specifications

Texas A&M University Intramurals

Basketball Referee

Houston, Texas

September 2022 – December 2023

- Monitored and refereed 100 games for a league of over 300 participants focusing on safety of players and confidence in managing game action, rules and regulations according to the rulebook
- 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 2024 – Present

- 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

Design Sub-Team Lead

January 2023 – December 2023

- Aided in the procurement of a \$10,000 grant to fund additional latrines by writing the Rwanda project latrine impact and project progress report for submission and grant approval
- Communicated and worked 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

Salsa Fusion

Member

College Station, Texas

January 2023 – December 2023

- Developed techniques for Salsa, Bachata, merengue, Cha-Cha-Cha, and Reggaeton through weekly dance sessions
- Removed forestry from a local recipient's backyard as part of club's volunteer community service activity with The Big Event

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: SolidWorks, Creo, Python, Minitab, Javascript, Linux, Git, Excel, Powerpoint, Microsoft Office

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

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

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