

Muniba Mir

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SUMMARY:

A forward-thinking, with an owner mindset, junior in Civil Engineering who possess a strong commitment to team dynamics and excels in a challenging, fast paced, high-stressed, deadline-oriented environments. Through diligent and Goal-oriented experiences, looking to continue professional growth through a civil engineering internship in Summer 2022.

EDUCATION

B.S. in Civil Engineering, University of Houston, GPA: 3.7

Graduation: May 2023

Dean's List: Fall 2018, Fall 2019, Spring 2020

Awards/Achievements: PROMES Scholar, Academic Excellence Scholarship, TexITE Houston Scholarship

WORK EXPERIENCE

Civil Structural Hardware Discipline Intern, Rohm and Haas HAO, Houston, TX

May 2021 – Aug 2021

- Generated, created, utilized 3D models, layouts, and prepared construction drawings of structural steel and concrete structure assets for estimation, fabrication, and installation projects within chemical Facilities (Plants).
- Proactively collaborated in multi-discipline, multi-location project teams to perform data collection design information, surveys, verify designs, functions, constructability, operability, and maintainability of assets.
- Analyzed, inspected, and prioritized life extension repair recommendations for existing aging assets.
- Mentored, coached, and lead cohort of incoming interns to drive inclusion culture.

Civil Structural Engineering Intern, The Dow Chemical Company, Houston, TX

Jan 2021 – April 2021

- Engineered and applied health and safety guidelines, global design standards, and applicable engineering codes and loss prevention principles in brown field asset projects for various global manufacturing sites.
- Calculated and verified concrete structure allowable stresses using Mathcad
- Streamlined technology work processes to generate design efficiencies within Engineering software.

Environmental, Health and Safety Intern, The Dow Chemical Company, Midland, MI

June 2020 – Aug 2020

- Evaluated, reviewed, and updated Loss Prevention Principle standards criteria for Global design practices.
- Supported Michigan Operations Environment, Health & Safety Delivery Leveraged Department remotely
- Developed Michigan Operations Secondary containment standard and evaluation calculations.
- Implemented and lead critical standardizations across Michigan Operations.

Undergraduate Teaching Assistant (ENGI 1100 & ENGI 1331), University of Houston

Aug 2019 – Present

- Assisted faculty and lecturer to facilitate learning opportunities and individualized instruction
- Lead Teaching Assistant sessions and mentored students (30+) in technical curricular guidance.
- Supervise and advise MATLAB projects and Mastery Assignments.

LEADERSHIPS & ACTIVITIES

TexASCE Region 6 Student Symposium, University of Houston

Steering Team Member and T-Shirt Coordinator

Aug 2021 – Present

- Strategize, collaborate, and ideation of specific competitions, career fair, and technical workshop for students and engineering professional members (500+ total).
- Cost control and scheduling for t-shirt supply and demand.

Engineers Without Borders, University of Houston

Project Lead and Planning/Monitoring/Evaluating/Learning Lead, Water Distribution Project (Nicaragua)

Feb 2020 – Present

- Lead, strategize, and motivate project team on the design/execution/implementation of gravity-fed distribution system for ~900 inhabitants of developing village.
- Analyze and perform construction feasibility assessment of existing conditions for proper implementation and growth.
- Stake out and garner funding commitments for materials and cost controls for remote assessment by EWB in country office.
- Collaborate and network with professional engineers and project stakeholders on design concepts and strategies.
- Improved existing framework for evaluating and managing deliverables for project objectives.

Houston Food Bank, Apple Corps Leader

June 2017- Present

- Trained, supervised, and coached volunteers (200+) in various community projects.
- Coordinated, marketed, and lead food/school supply drive which directly impacted over 2000+ families

SKILLS

Multilingual: English, Bengali, Hindi (Basic)

Computer Skills: STAAD, HydroCAD, MATLAB, AutoCAD, MicroStation, MathCad, Microsoft Office Suite,

Certifications: Leadership (Student Hero)