



ENGINEERS WITHOUT BORDERS USA
University of Houston Chapter

Corporate Partner Information Fall 2020

Table of Contents

A letter from our president	3
About EWB	4
Organizational Goals	5
Executive Board	6
Student Pool.....	7
Projects	8-10
Partnership Opportunities	11-14
Partnership Form	15

Dear Prospective Partner,

Thank you for being interested in partnering up with our organization, Engineers Without Borders - UH (EWB-UH), where we are COMMITTED to developing and empowering leaders to engineer sustainable solutions to support underserved communities, in the City of Houston and internationally.

EWB-UH is a project-oriented organization that attracts capable and hardworking students of all backgrounds and disciplines. The goal is to learn and utilize our technical skills while exhibiting “power” skills needed to connect with the individuals we aim to assist. From a Senior Mechanical Engineering student to a Freshman Biomedical Engineering student, our organization holds an immense amount of diverse students possessing a diverse array of skill-sets while displaying an eagerness to develop and make a difference in underrepresented communities.

Wading through this pandemic period, our organization had an opportunity to revamp itself and how us engineers and technical students can stand with and actively support communities affected by current major issues.

As we work towards growing as a student chapter and successfully adhering to our mission, we look to establish a promising relationship with your company. Our chapter will greatly appreciate monetary contributions as our projects are fully self-funded and it will also support our current efforts as an organization. In saying this, our organization openly values an involvement that speaks more to donating your effort and time, rather than just a financial donation. By partnering with EWB-UH, you will be able to truly be immersed within our mission being involved with our workshops, volunteering opportunities, community projects, mentorship opportunities, etc. Through your company’s genuine involvement and activity, this will help to foster a healthy and ongoing relationship with you as our students will be able to develop as leaders and reap the benefit of their passion and hard work. Furthermore, it achieves both parties’ philanthropic mission and goals. We welcome novel ideas from you to better serve our members, university, and world.

The communities we aim to positively impact are getting the very best out of our students through technical skills, innovation, drive and compassion. Our students deserve the very best, as they are upholding themselves to a standard, much desired out of what a leader should be. Your company will only serve to keep the cycle of positive community impact and capable leaders flowing.

Sincerely,

Akintunde “Tunde” Sowunmi
President, EWB-UH
akintundeo.sowumni@gmail.com
(281) 736-2114

About EWB-UH

Engineers Without Borders – USA at the University of Houston (est. 2006) is a student-run organization that “supports community-driven development programs worldwide through the design and implementation of sustainable engineering projects, while fostering responsible leadership” (www.ewb-usa.org). Our focus is to implement practical and sustainable solutions with communities in need, while allowing our members to enhance their technical and non-technical skills through a unique developmental/educational experience. Our mission statement is as listed:

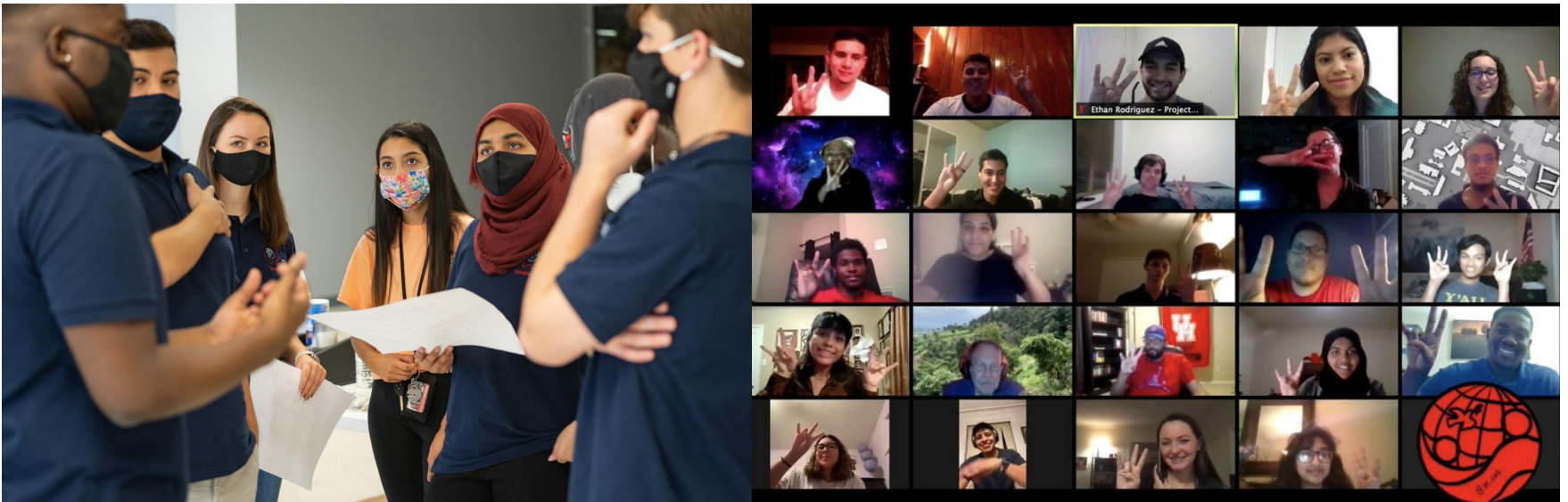
“Committed to developing and empowering leaders to engineer sustainable solutions to support underserved communities, in the City of Houston and internationally”

Since our Chapter’s inception, we have completed 2 international projects. We are currently working on two projects, one international and the other domestic:

- 1) Water distribution system project (Valle Valerio, Nicaragua) set to provide clean water to 900+ people.
- 2) Project Hope Center (Spring, Texas) set to construct a free dental clinic to provide services for the homeless in Houston.

Organizational Goals

- ❑ Complete and maintain an international project every two years while maintaining at least one local/community project
- ❑ Develop leaders by hosting events/workshops designed to help our students grow both personally and professionally
- ❑ Continually seek out passionate individuals that can help grow our community and uphold our mission
- ❑ Positively impact international and Houston communities through technical innovations and volunteer opportunities.



Executive Board Members



President

Akintunde Sowunmi
Mechanical Engineering
Senior



Vice President

Emma Bond
Mechanical Engineering
Sophomore



Secretary

Ben Yusuf
Chemical Engineering
Junior



Treasurer

Kyle Rorison
Economics
Senior



Project Chair

Ethan Rodriguez
Mechanical Engineering
Sophomore



Public Relations

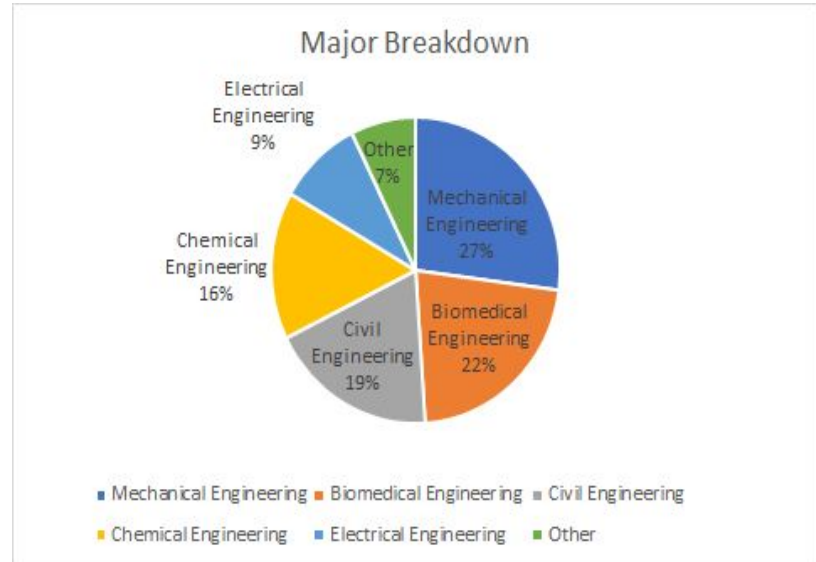
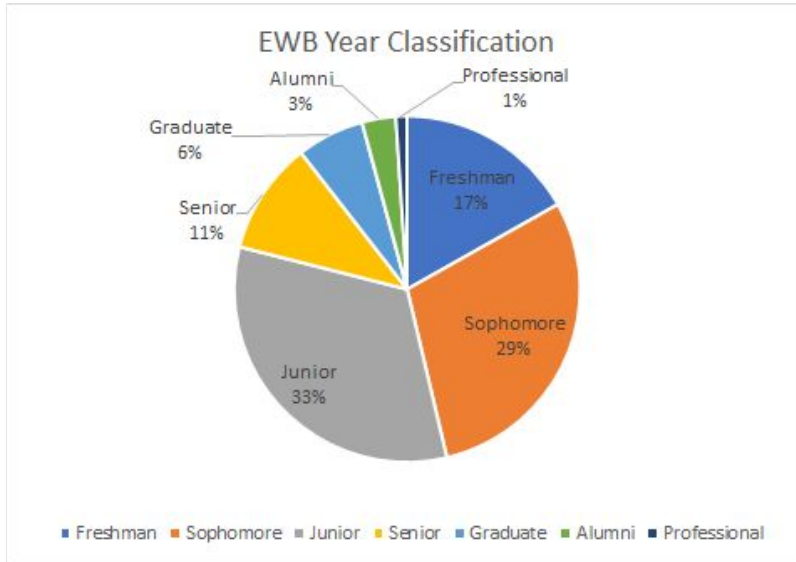
Braulio Garza
Mechanical Engineering
Senior



Event Coordinator

Yaqueen Alsadah
Biomedical Engineering
Senior

Student Pool



Our chapter of Engineers Without Borders is home to a diverse pool of students from several different majors at varying levels of their collegiate career.

Fall 2020 Statistics:

- ❑ Average 23+ people per event
- ❑ 105 new students submitted an interest form
- ❑ Achieved goal for >5% non-engineering majors
- ❑ Expanded and filled 12 active officer positions

Water Distribution Project (*Valle Valerio, Nicaragua*)

Within the Jinotega region of Nicaragua, the community Valle Valerio lacks sufficient drinking water throughout the year. That is about 620 men, women, and children who do not have reliable access to water. The current water system in the community is well beyond its useful lifetime, and some families have to walk 2 miles to a river for water. Additionally, the quality of the water accessible has high levels of nitrates and fecal coliform. High nitrate levels can cause infants to become seriously ill with blue-baby syndrome.

Through effectively collaborating and communicating with the Nicaragua in country office of EWB and the community, we aim to maintain trust between the chapter and the community as well as making sure the design is tended to directly fit the community's needs.

Project Goals

- ☐ Provide access to fresh drinking water
- ☐ Build storage tank in central location for accessibility
- ☐ Expand water distribution network from 625 to 900+ people
- ☐ Repair existing submersible electric water pump
- ☐ Treat water source up to EPA standards



Project Hope Center (*Spring, Texas*)

Founded in 2016, Hope Center is a Houston faith-based nonprofit resource center for the homeless. They are taught basic life skills and are provided with resources such as counseling, internet, showers, clothing, and access to computers to support those to transition off the streets. One year ago, Hope Center Houston purchased a 2-story 40,000 sq ft building and are now planning to transform part of their 2nd story into a dental clinic.

Our role at the Hope Center is to design and implement a fully functional dental clinic for the homeless community in Spring and the surrounding areas. Our chapter is working to create architectural and electrical drawings that best utilize the space available, according to the specific needs of the Hope Center. Our project timeline for completion is twelve months.



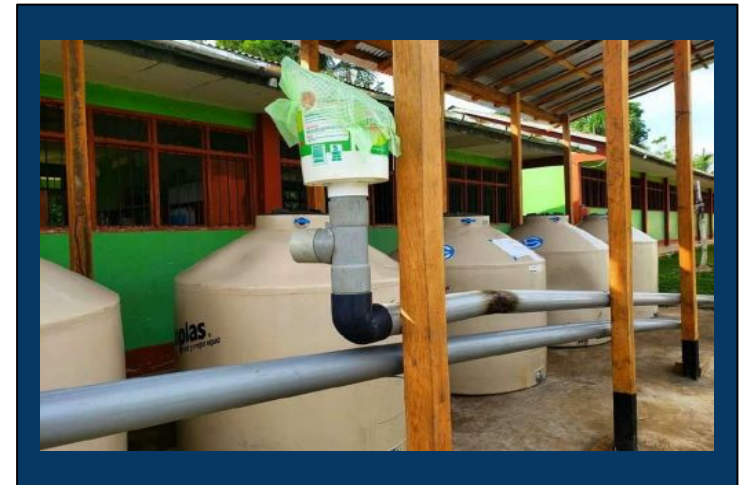
School House Project (*Telpochapa, Nicaragua*)

In August 2015, EWB-UH sent a small team of engineering students along with a working engineer to Telpochapa, a small community in the San Francisco Libre municipality of Nicaragua. This project consisted of designing a schoolhouse for this community's children and raising all necessary funds in order to send a team to Telpochapa to implement this design. This schoolhouse has since been completed.



Leaf Eliminator (*Peru*)

EWB-UH collaborated closely with the Houston Professional Chapter's Peru Team. They installed rainwater harvesting systems in several towns and are in the process of implementing more in other communities. EWB-UH led the design of the self-cleaning leaf eliminator portion of the system. The main parameters taken into consideration were that it had to be between certain dimensions and be easily reproduced by material available to these communities in order to be a sustainable system. This project impacted 105 villagers in 21 households.



Partnership Opportunities

In a partnership with EWB-UH, we are looking for forward-thinking companies that share our values and are prepared for a long term relationship with our organization. There are many levels at which our partnership can extend, beyond financial support. All opportunities listed are flexible to whatever you are able to provide.

Mentorship | Workshops | Valuable Exchanges | Project Involvement | Scholarships | Recruitment

Our most recent events

Valuable Exchanges Series 2:
NORMALITY IN THE FACE OF UNCERTAINTY
Speaker: Brian Walker
Manager, Chevron EAP Work Life Services



ENGINEERS WITHOUT BORDERS USA
University of Houston Chapter



- Feeling overwhelmed about COVID-19?
- Struggling to work at home?
- Know someone who's struggling during this time?

Hear from Chevron mental health leaders on how Chevron is facing mental health in the workplace and what you can do for yourself and community during this time.


WOMEN OF PROMES HOUSTON

JOIN US MAY 14 AT 7PM VIA ZOOM
CO-SPONSORED BY WOMEN OF PROMES




Valuable Exchange Series

EWB's Future Career Pathway with ExxonMobil




MONDAY, NOV 16 @ 7PM




ExxonMobil
AKIN OMOFOYE
ADVISOR TO THE HEAD OF EXXONMOBIL UPSTREAM

Learn about Akin's journey in ExxonMobil, career flexibility, and participate in an interactive discussion of valuable insight and experiences!



ENGINEERS WITHOUT BORDERS USA
University of Houston Chapter



<https://zoom.us/j/92466651038>

EWB-UH PROJECTS PRESENTS

Autocad Workshop Series

Gain 3D modeling experience in a technical skills development workshop presented by the projects division of Engineers Without Borders UH

October 15 @ 7:30 PM

Design Elements
Led by Tess Adekanmbi -
Form2Life Design Owner

- EWB-UH Professional mentor
- Associate AIA - Designer - BIM/CAD Consultant



Interested? Fill out the Interest Form!



Interest Form



Workshop



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Involvement Opportunities

In our quest to hold true to our mission statement, we would like to extend an invitation to professionals (within our local professional chapter and regional chapter, as well as other professionals) to help our student chapter grow and continue to be a beacon of development for our student members.



Mentorship

As you likely once were, our students are doing everything they can to improve themselves to become the best candidates they can be to move into their career.

In need of personal guidance, we would love to have a representative from your company to provide mentorship to one of our students that is on a similar career track with similar interests.



Scholarships

As a diverse organization on all levels, we are always looking for ways to provide scholarships to our outstanding students. A contribution in this way would likely entail a scholarship at a specified dollar amount with a certain criteria to award a deserving student.

Professional Workshops

Our professional workshops are designed to equip our students with skills they can learn that will make them more suitable candidates as engineers and beyond.

The topics of our workshops vary as they are often tailored to the professional leading it, though, our executive board has a database of topics we think will be beneficial to cover.

Potential topics (but not limited to) :

- ☐ Financial Literacy
- ☐ AutoCAD
- ☐ Networking
- ☐ Stress Management

Potential topics (but not limited to) :

- ☐ Diversity & Inclusion
- ☐ Emotional Intelligence
- ☐ Leadership Development
- ☐ Project Management

Valuable Exchanges

The EWB-UH Valuable Exchange series is meant to provide our students with valuable insight into the industries and careers that they are breaking into.

Our goal is to bring caring professionals to our backyard and bridge the gap between professionals and students and have authentic, interactive discussions. `

Partnership Information

If you would like more information on how to get involved with us, we can be reached at:

Kyle Rorison | EWB-UH Treasurer: treasurer.ewb.uh@gmail.com

EWB -UH General Email: uoh.ewb@gmail.com

Engineers Without Borders - UH
4465 University Drive #307
Houston, Texas 77004 - 3031

501 (C)(3) Number: 84-1589324

[Sponsorship Form Link](#)