

Engineers Without Borders

Rose-Hulman Institute of Technology



What is Engineers Without Borders?

EWB-RHIT is part of the national Engineers Without Borders USA organization. EWB-USA is a non-profit humanitarian organization established to partner with developing communities worldwide in order to improve their quality of life. Since its founding in 2000, EWB-USA has run more than 80 projects in 35 countries. The projects we work on are initiated by and completed with contributions from the host community, which helps ensure that our work will be maintained after we leave.

Our **VISION** is a world in which the communities we serve have the capacity to sustainably meet their basic human needs and that our members have enriched global perspectives.

Our **MISSION** is to support community-driven development programs worldwide by collaborating with local partners to design and implement sustainable engineering projects, while creating transformative experiences and responsible leaders.



This issue

Senior Spotlights [P.2-3](#)

Ecuador Visit [P.3](#)

Dr. Gardner Wins Photo Contest [P.3](#)



In this Issue

Well, it has been over three and a half years since we published our last newsletter. We still are working on our Ecuador project, but have made significant progress. Since our last newsletter we have traveled to Ecuador twice and are preparing for a remote implementation trip later on this year. The majority of the design work is soon to be finished and in the near future we expect to begin construction of the pipeline. Check out this issue to find out what we have been doing.

The EWB-RHIT Team

Co-Presidents

Will Lawton

Soph., Civil Engineering

Kayla Martinez

Soph., Mechanical Engineering

Co-Engineering Team Managers

David Lincoln

Fresh., Mechanical Engineering

Makayla Ray

Soph., Civil Engineering

Co-Fundraising and Marketing Team Managers

Walker Coffy

Jr., Chemical Engineering

Libby Smith

Fresh., Mechanical Engineering

Treasurer

Ben King

Fresh., Mechanical Engineering

Secretary

Walker Grove

Fresh., Civil Engineering

Local Outreach Chair

Tracy Orgera

Soph., Chemical Engineering

Senior Spotlights

Jackie Renn

Jackie Renn is a senior from Louisville, Kentucky. She is receiving her bachelor degree in civil engineering with a focus in structural engineering, this spring. She has been involved with Engineers Without Borders since 2019, serving in the roles of Fundraising and Marketing Lead and Engineering Team Lead. She traveled with the club to Ecuador in 2020. Her favorite EWB memory has been participating in the S.A.W.S wheelchair ramp her freshman year. After graduating with her bachelor degree, she will be attending Rose-Hulman to get her masters degree.



Peter Householter

Peter Householter is a graduate student from Wheaton, Illinois. He is receiving a masters degree in civil engineering, with a focus in structural engineering, this spring. He has been involved in Engineers Without Borders since 2017, serving in the roles of Engineering Team Lead and Local Outreach chair. He traveled with the club to Ecuador in 2018 and 2020. His favorite EWB memory is having post-meeting meetings. This was an EWB tradition that happened after every meeting, where members stayed after the scheduled EWB meeting to discuss anything they had on their minds. Often, these meetings would last for over an hour! After graduating, Peter will be working in Cincinnati, Ohio for a structural engineering company.



Madeline Hamon

Madeline Hamon is a senior from Irvine, California. She is receiving a bachelor degree in mechanical engineering. She has been involved in Engineers Without Borders since 2018, her freshman year. She has served in the role of Fundraising and Marketing Lead, and traveled with the club to Ecuador in 2020. Her favorite EWB memory was traveling on the winter 2020 trip to Ecuador. During this trip, Madeline had a great time meeting the community and using her engineering skills to help others. After she graduates, she will be working at Axiom Space in Houston, Texas.



Augie

Augie is a 3 year old white lab who lives with Jackie Renn. He has been an active participant in Engineers Without Borders and always brings positive energy to every meeting. One of Augie's favorite pastimes is chasing his tail, whenever he forgets it exists. After graduating from Rose-Hulman, Augie will be living life as a King.



Luke Greenwood

Luke Greenwood is a senior from Indianapolis, Indiana. He is receiving a bachelor's degree in civil engineering. Luke has been involved in EWB since his freshman year at Rose. His favorite EWB memory would be travelling to Ecuador during his sophomore year. Luke enjoyed helping out with the surveying through the crazy terrain, and also getting to try all kinds of fruit he had never had before! After graduation, he plans to work at American Structurepoint in Indianapolis in the structural engineering group.



Nate Purintun

Nate Purintun is a senior from Cincinnati, Ohio. He is receiving a bachelor degree in chemical engineering. He has been involved with Engineers Without Borders since his freshman year and has played an important role. In the past, he had led the team as President and Engineering Team Lead. Also, Nate had the opportunity to travel with EWB to Ecuador in 2020. His favorite memory was traveling to Chaguarloma and getting to meet the community members and working on the project. After graduating, Nate plans to work at North American Stainless where he will be a casting engineer.



EWB-RHIT Mentors

Technical Mentors

Roger Ward, P.E.

CEO

Roger Ward Engineering

Liam Sawyer, P.E.

Land Development Analyst

Kimley-Horne

Jed Holt, P.E.

Retired

Faculty Mentors

John Gardner, Ph.D.

Professor of Spanish

Rose-Hulman Inst. of Tech.

John Aidoo, Ph.D., P.E.

Professor of Civil Engineering

Rose-Hulman Inst. of Tech.

Kyle Kershaw, Ph.D., P.E.

Assoc. Professor of Civil Engineering

Rose-Hulman Inst. of Tech.

Fundraising

Fundraising is vital to our ability to continue using our Rose-Hulman education to impact developing communities worldwide. The cost of travel and construction materials is extremely high, but both are necessary for our chapter.

Through school organizations, such as the Student Government Association, we are able to raise some funds for our projects. This only covers a fraction of the total amount needed to complete our projects—especially for material costs. We rely on private donors like you to support our projects and make a difference in third-world communities.

Donating to EWB

Contributions can be made to “Rose-Hulman Institute of Technology”, directed to “Engineers Without Borders” in the memo.

For more information, contact our Co-Presidents at:

Grpewbpres@rosehulman.onmicrosoft.com

Contact Us

Please contact us at

Grpewbpres@rosehulman.onmicrosoft.com

if you have any questions or would like to become more involved.

More information can also be found on our website at:

<https://wordpress.rose-hulman.edu/ewb/>



Rose-Hulman Institute of Technology

EWB-Ecuador Visits Chaguarloma

On April 10th and 11th, Wilmer Santacruz and his team performed a trip to Chaguarloma, Ecuador to get necessary information for EWB-RHIT to continue the project. During the trip, they met with the community to inform them about the progress that the Rose-Hulman chapter has made on the project. He also got many landowners to sign consent to work on their land. On the trip, he gathered information about exactly what community members are interested in participating in the project and finished collecting measurements.



Members in the community are discussing plans for participating the project.

Dr. Gardner Wins Photo Contest



Dr. Gardner's photon shows Luke Greenwood in Chaguarloma, Ecuador.

Dr. John Gardner, one of the faculty advisors, is a winner of the Center for Global Engagement's 2022 International Photo Contest! His winning entry was a photo he took while on our March 2022 trip to Chaguarloma, Ecuador, of senior civil engineering student, Luke Greenwood, conducting surveying work. Congratulations Dr. Gardner!

ENGINEERING A MORE SUSTAINABLE
WORLD—ONE COMMUNITY AT A TIME

