

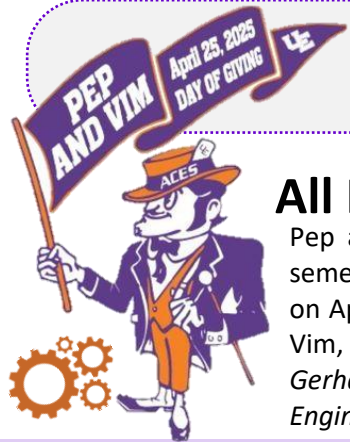
The ME Connection

UE Mechanical Engineering Newsletter

April 2025

"When faced with a large project, remember you move a mountain one stone at a time."

-Catherine Pulsifer



All Hail To Our Evansville!

Pep and Vim, PurplePalooza, Bike Race, and the end of the semester are almost here! UE's Annual Day of Giving will be held on April 25, 2025. If you plan to make a gift as part of Pep and Vim, please consider using one of the engineering designations: *Gerhart Legacy Fund*, *SECS Student Project Fund*, or *Mechanical Engineering*, or another designation that has meaning for you.

Engineering Career Forum

After being rescheduled due to winter weather, the Engineering, Computer Science, & Construction Management Career Forum was a big success! Students gained insight from panel discussions with employers (and alumni!) representing a variety of industries and career paths, followed by an opportunity for additional networking. Please reach out to Mrs. Dianna Cundiff and her team at the Center for Career Development to connect your business with UE's campus: career@evansville.edu

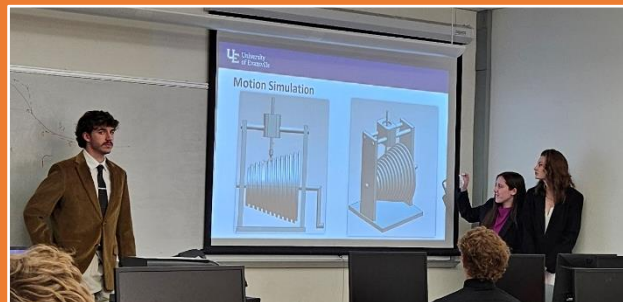


Bowling with ASHRAE

Several ME students joined the regional ASHRAE professional chapter for an evening of bowling, informal networking, and some friendly competition. ASHRAE members encouraged students to get involved with professional organizations in their field of study and to explore career opportunities related to HVAC&R.

Student Spotlight – ME 297 Project Teams

Students in ME 297: Integrated Design II worked hard this semester to design, build, and test a desktop machine that converted rotational motion to translational motion under specific design constraints. The teams modeled all components in NX and created assemblies to run motion simulation analysis, checking for interferences prior to fabrication. While some components required manual machining, the teams generated G-code for most components to be machined on the 3-axis CNC mill. Design presentations included discussions of how original concepts had to be re-designed to account for different tolerance fits, and modifications that were required in the final assembly process. Lessons learned included time management, communication, and skills with G-code and motion simulation.



We want to celebrate our alumni!
Please submit a photo and short blurb to:

mechanicalengineering@evansville.edu



Alumni Spotlight: Clay Doty (Class of 2018)



While at UE, Clay studied Mechanical Engineering while also earning a minor in Engineering Management. He participated in a number of different campus organizations including involvement with the Society of Automotive Engineers, Pi Tau Sigma, and ASME. Since graduating, Clay has stayed local to Evansville and held positions with Flanders, BWXT, and for the last two and a half years has been at Toyota Motor Manufacturing Indiana in Princeton, IN. Additionally, he completed his Masters of Business Administration through Eastern Illinois University in 2022.

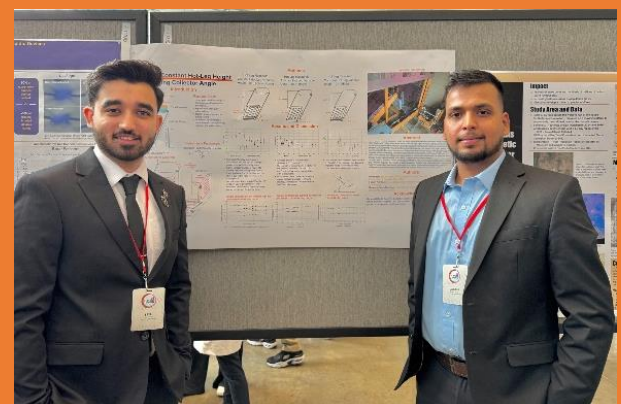
During his time at UE, Clay always found that he enjoyed the mechanical design side of the Mechanical Engineering department, which is part of what lead him to TMMI. In his time at TMMI, Clay supported the new model launch of the Toyota Grand Highlander and Lexus TX, which was the first Lexus to be produced at TMMI. Recently, he has taken on the role of a Maintenance Group Leader where he works to support production operations overseeing a group of Maintenance Team Leaders and Team Members.

Outside of work, Clay enjoys spending time traveling with his wife Kaylan (UE Class of 2020). He also is an avid golfer as well as a High School and Collegiate Lacrosse Official.



Congratulations Corner

Congratulations to seniors Essa Ahmed and Swarup Bhatta on presenting their Thermosiphon team research findings at NCUR, the National Conference on Undergraduate Research. NCUR is the largest conference of its kind, with more than 3,500 students in attendance. Two thumbs up!



Q: Why are mountains so funny?

A: because they're hill-areas