

# The ME Connection

## UE Mechanical Engineering Newsletter

October 2021

*"Project focus throughout the BSME program is critical in the formation of engineers that can operate in the real world. After recruiting from multiple schools in different parts of the country, I now realize that not all schools do that." - ME Alum*

### Dynamic Semester

September was anything but static! UE's Center for Career Development hosted the Engineering Business and Technology Career Fair on September 14<sup>th</sup>, with more than 20 employers looking to hire Mechanical Engineering students for full-time, internship, and co-op positions. The College Tour was on campus to film an episode featuring UE – an ME student was filmed in the machine shop and Bowen Labs. Check out other episodes, and stay tuned for the UE episode release as part of Season 4 (<https://www.thecolleetour.com>). The freshman project teams and the senior-led project teams have been brainstorming, evaluating, and refining ideas to generate project proposals for review. Juniors are pushing (or pulling!) materials to the limit in ME 330 lab. Sophomores are solving homework problems in courses like Statics, Dynamics, and Material Science. We are quickly approaching the halfway point in the semester, and some students are taking a quick break between studying for exams to sample the foods at Evansville's Fall Festival.



### From Paper to Prototype

Ray Shelton joined UE in 2014 as the Engineering Technician for the Bowen Labs and machine shop. With 20 years of industry experience as a machinist/CNC programmer, Ray enjoys working with the student project teams to bring their designs to life. Ray also provides welding training, instruction on the manual machines, and support for the mechanical engineering laboratory courses.

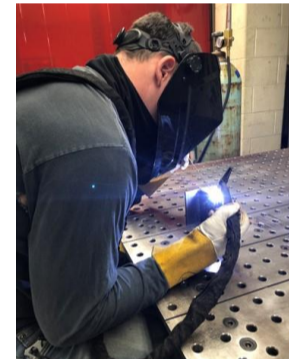
### Cooler Things Made in Indiana Competition

Does your company make something cool? The Indiana Chamber of Commerce is hosting a tournament-style competition where companies can enter one product manufactured in Indiana, to be voted on by the public. Let us know if you enter – we want to vote for our alumni!

<https://www.indianachamber.com/about/awards-program/coolestthing/>

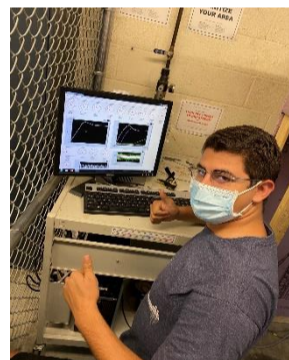


### Student Work Zone: Project teams complete proposal phase



Four senior-led project teams are hard at work after completing their project proposals for this academic year.

Students have been busy creating and refining 3D models, conducting experiments, practicing welding techniques, and evaluating design options.



Two design teams are part of international design competitions scheduled to compete in 2022: SAE Baja and NASA Human Exploration Rover.

We'd love to share what our alumni are doing!

Please submit a photo and short blurb to:

[mechanicalengineering@evansville.edu](mailto:mechanicalengineering@evansville.edu)

### Student Spotlight



Sam Reshad, Class of 2023

After three semesters of pandemic learning, my enthusiasm for two more years of college was waning. Fortunately, I had the opportunity to intern at BWX Technologies this past summer. There, I saw the competitive edge of UE's Mechanical Engineering curriculum firsthand, as the leadership skills and technical knowledge I've learned allowed me to exceed expectations. I was also fortunate enough to work with incredible engineers, some UE alumni, who taught me many new skills and leadership concepts. All of this has given me an even greater passion for the field of engineering and a reinvigorated enthusiasm to pursue the opportunities UE has to offer.

One such opportunity is the seniors' ability to have input to choose and implement a senior capstone project with the help of engineering faculty. To this end, I am currently in the process of restarting the NASA Student Launch team at the university. This team will give students a multidisciplinary opportunity to apply their classroom knowledge in the aerospace field. I am excited to work with the engineering faculty to relaunch this project and to meet the challenges of the competition.

### UE Homecoming Weekend

The University of Evansville's Homecoming Weekend is scheduled for Saturday, October 30<sup>th</sup>, 2021. While there are no engineering activities planned, our ME alumni can be represented at the Ace Race or the Men's Basketball game at the Ford Center.

Ace Race is on Saturday, October 30<sup>th</sup> at 9:30 am, starting at the UE main campus East Terrace Lawn, and there is an option to participate either in person or virtually – so you can participate from wherever you may be!



Registration is only \$30 for the general public. The registration deadline is Sunday, October 23<sup>rd</sup>. To be guaranteed a t-shirt, register by Saturday, October 9<sup>th</sup>. Register at [www.uealumnionline.com/acerace2021](http://www.uealumnionline.com/acerace2021)

Q: What kind of music do wind turbines enjoy?

A: They are heavy metal fans!