

# UM Supermileage

September 2017

## *Welcome back!*

The team is back together after a productive summer.

Over the past few months, we have designed a completely new exterior for our new electric motor car, Magnolia, designed a new steering system for our cars that eliminates extra weight, and have started using a new sensor-less electric motor.

Please visit our website ([umsm.engin.umich.edu](http://umsm.engin.umich.edu)) to

find information on our new leadership!

Shell has recently announced that our competition for this next year will take place in Sonoma, CA from April 19-22! We have a date and location and are currently figuring out the logistics of getting two cars and our team members across the country!

## *Summer Experiences*



Jessica Goshorn, the lead for Driver Interface and Integration (DII), worked this past summer as the wiper systems intern at Bosch in Plymouth, Michigan. She returned to the group for a second internship after a very positive experience during summer 2016. In this role, she worked with both application and validation engineers to provide support for on-site chamber tests, new model year benchmarking, vehicle-specific testing, and high-mileage tear downs. She was also introduced to Catia, a computer aided design software used by many automotive companies. With this Catia experience, she was able to create and present a design study to a customer.

## *We asked our team:*

### **What are you looking forward to the most this next year?**

"I'm really excited for the pumpkin carving we have planned for October."

-Nick '18

"Designing a lighter steering system!"

-Jessica '18

"Road trip to California for competition!"

-Luis '19

"I am really enjoying learning all about the sensor-less motor. I'm excited to see how everything comes together in the end."

-Eric '18

## About the Author

My name is Hannah Ferriby and I am a third year Environmental Engineering major and minoring in Sustainable Engineering here at University of Michigan. I am also Treasurer for Michigan's HeForShe organization, which promotes gender equality around the world. I have taken over from Taylor Larsen as the new Public Relations Lead and I am very excited to show you all that our team is going to do this year!



Above: Our team at the end of the 2017 Shell Eco-Marathon – Americas

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