

RUTGERS FORMULA RACING NEWSLETTER



PITT SHOOTOUT 2018



RFR spent the weekend of July 15th in Pittsburgh, where the team competed in the Pitt Shootout, hosted by the University of Pittsburgh. RFR placed 7th among 20 other FSAE teams. The Pitt Shootout is a wonderful way to close out the competition season. The trophy featured above is the 6th place trophy that RFR won at competition in Lincoln this year.

SNEAK PEAK AT RFR 2019



After a long competition season, RFR is back to work on our newest prototype. We have analyzed competition data and yearly performance, and have outlined a framework for the new vehicle. Our goals this season are increasing our power to weight ratio, improving driver-vehicle response, and keeping to engineering fundamentals.

For the 2019, we are developing a new engine package to support our new power to weight ratio goal. We are making improvements to the suspension and frame geometry in order to improve handling and response. In order to complete a total package, we are placing emphasis on design unity, simplicity, and cohesiveness.

We are excited to continue working to improve the vehicle and the team.

JAKTOOL BARBEQUE



This past weekend was our 2nd annual BBQ at JAKTOOL Engineered Solutions. The team brought out the 2018 racecar and talked with JAKTOOL engineers. Members went on a tour of the JAKTOOL facilities and got a few lessons on engineering. Founded by one of our very own, JAKTOOL has been a crucial and longstanding sponsor of the team. Many members of the team have made their careers there. Thank you, JAKTOOL, for all of your services, support, and jobs!

RFR OUTREACH WITH T.A.R.G.E.T. STUDENTS

We were lucky enough to be able to host an event with the girls from The Academy At Rutgers For Girls in Engineering and Technology (TARGET). They had a blast building cars out of K'nex that they then crash-tested by rolling down a ramp. We placed raw eggs in each of their cars and assessed each team's success by how well their egg withstood the impact of the crash. After running their cars, they were allowed a short amount of time to make improvements. We taught them the importance of testing in the design process. They then got a tour of the RFR shop and of course, an up-close look at the 18 car. They learned about the manufacture process for steel, aluminum, and carbon fiber parts, and they were given an overview of the subteams that go into making the car. They had many questions about both the car and manufacturing process answered, and we cannot wait to host them again next year.



NEW MEMBER SPOTLIGHT



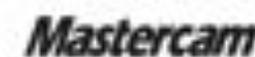
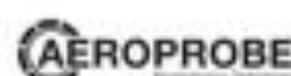
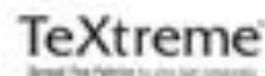
**Anthony Rodrigues ('21),
Powertrain Lead**

Being a member of Rutgers Formula Racing this past season has been an experience like no other. With such a dynamic design process, opportunities to learn are present behind every corner. Starting with basics, I was able to transfer knowledge that I had accumulated throughout high school to complete tasks such as using CAD modeling to understand the intricacies of air intake geometry or using my machining experience to manufacture aerodynamic wing components. However, RFR didn't stop there

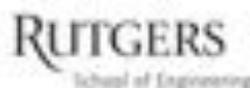
as it continued to push my skill-set into new boundaries. I'm continually growing and improving as our race car does. As the new Powertrain and Drivetrain lead for the upcoming 2018-2019 season, I am eager to implement new and exciting ideas using RFR as an outlet for my creativity. Despite having a successful and amazing season last year, there's always more work to be done to make a quicker, more efficient race car and I look forward to executing these goals.



NISSAN



DEAN THOMAS FARRIS
JOE OLSEFSKI
ALEXANDER KOTELANOV



ASSOC DEAN SUSAN KILGUFF
TOM CALABRESE
TRENT HANLOVSKY

