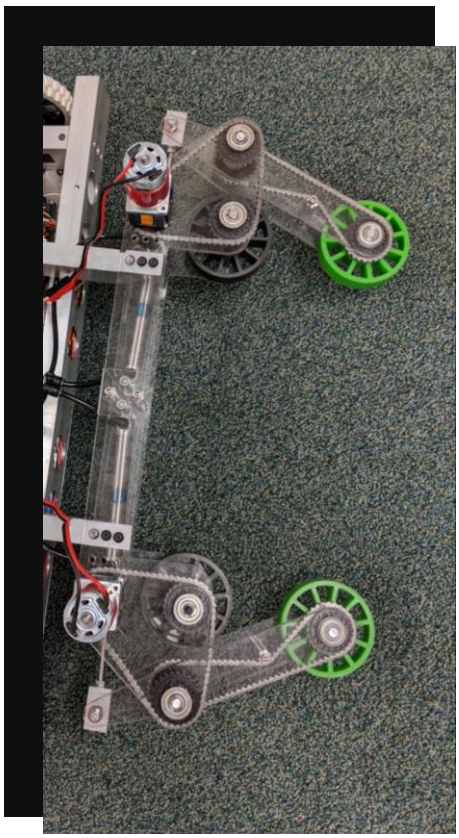
THE VALOR OBSERVER

Build-Season Week 6
Sunday, February 18th, 2018



The Final Count Down

Top Rollers:
This was the route the team initially chose for cube collection. While this design excelled in its ability to collect at any angle or orientation, we ran into issues with the retention of the cubes, and thus opted to make an attempt on the side roller design prototyped during week one.

Side Rollers:
After an admittedly rushed week to both complete and mount the new intake, the side roller design quickly proved to be a match to the original top roller design all while maintaining more than enough compression to retain the cubes and manipulate them about the game field. While the intake pictured to the left does its job exceptionally, the competition iteration of the design is planned to utilize features such as belt drive systems and pocketing across the structural components.

Keep up With Valor on our Social Media!

http://viperbotsvalor6800.com/

https://twitter.com/FRC6800/

https://www.facebook.com/Valor6800/

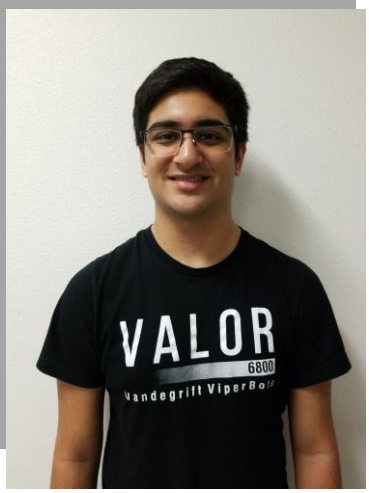
https://www.youtube.com/viperbotsvalor/

Interested in being a FIRST Volunteer?

For more information about how to get involved, Click Here!

FRC
FIRST® Robotics Competition

STUDENT SPOTLIGHT



Neil Rathod

Controls Sub-Team

Since being part of Valor, FRC has allowed me to gain knowledge in all aspects of engineering and coding. I believe that this opportunity has given me a chance to be extremely creative in a fun way. I am part of the control sub team on Valor. I love how our sub team is able to work in all aspects of the robot as we see it finally come together. What I look forward to this season is finally seeing our hard work out on the field.

Will Bryan

Controls Sub-Team

Valor and FRC as a whole has really opened my eyes to a more true to form take on what the field of engineering might look like in the career space. Working with controls has taught me a lot about patience as it seems that something has to be cut, moved, or replaced every time anything new gets completed. I'm hoping that in the weeks moving forward towards competition that we can fine tune the robot and achieve a level of consistency/ performance that sets us apart from the rookie crowd and into the competitive ranks of some well established programs. I know everyone on this team has worked tirelessly these past few weeks and I can't wait to see what competition season brings our way.

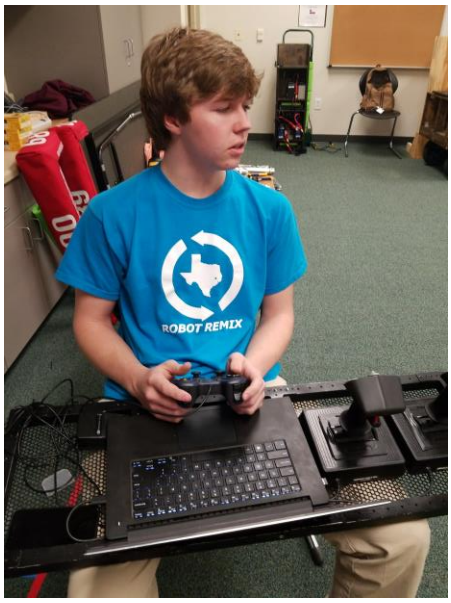
MEET THE MENTOR

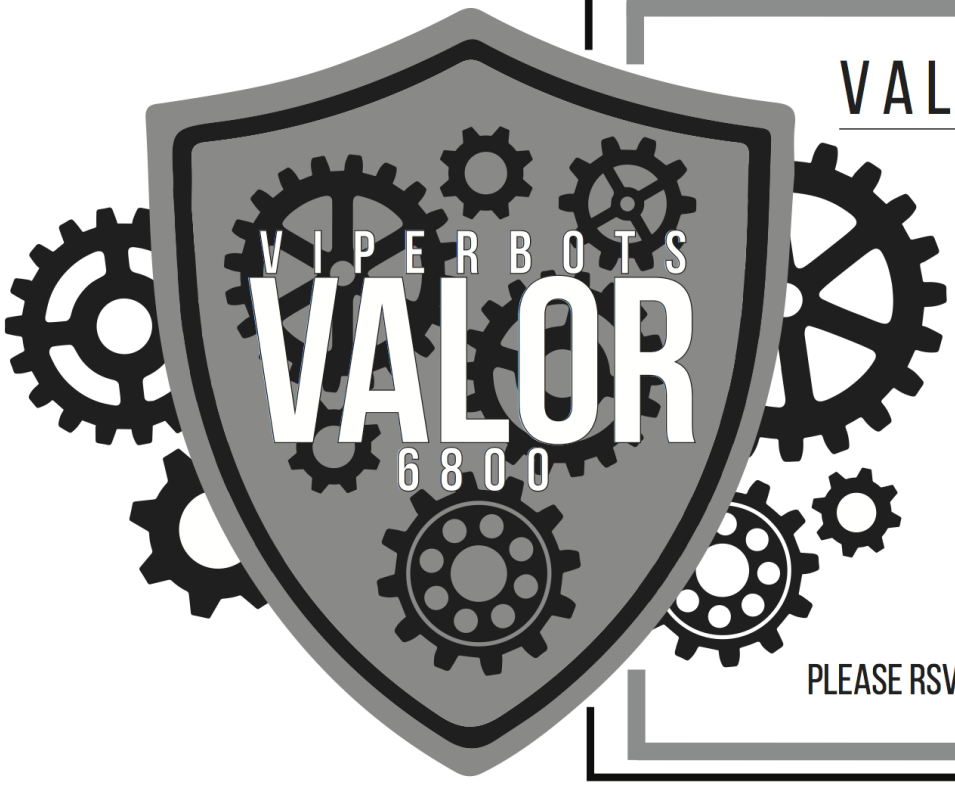
Michael Ray

Head Coach

I have been involved in FIRST for 11 years now - 2 years of FLL, 4 years of FRC, and 5 years of FRC mentoring. Most of my FIRST knowledge comes from my high school team, Team RUSH 27. I graduated from the University of Michigan last year with degrees in Electrical and Computer Engineering. I currently am an application engineer at ARM creating end-to-end Internet of Things deployments. This past year has been my favorite season of FIRST, and I am incredibly proud of every student on the team.

Pictures of the week:





VALOR OPEN HOUSE

WHEN | FEBRUARY 26TH, 2018
6:00 PM - 8:00 PM

WHERE | VANDEGRIFT HIGH SCHOOL
LECTURE HALL

WHAT | FRC TEAM 6800 VANDEGRIFT VIPERBOTS VALOR INVITES YOU TO MEET MEMBERS OF THE TEAM, HEAR ABOUT OUR BUILD SEASON, SEE OUR ROBOT AND MORE.

LIGHT REFRESHMENTS WILL BE SERVED.

PLEASE RSVP AT | https://goo.gl/forms/c3xDelOOIXuPlCtG2

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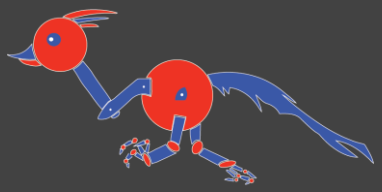

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ViperBots Valor would not be able to participate in the FIRST Robotics Competition without the kind support from these companies and families. We extend our gratitude.