STUYPOST

StuyPulse Team 694 Newsletter



MARK YOUR CALENDAR

March 6 - March 9

New York Tech Valley Regional

March 13 - March 16

Central New York Regional

April 4 - April 7

New York City Regional

CAD Marathon

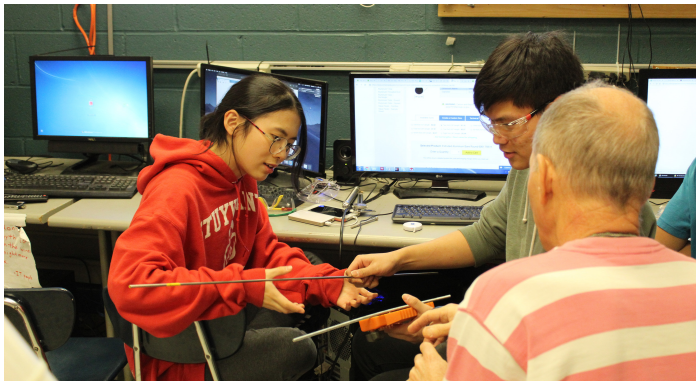
StuyPulse started off week three with our annual CAD Marathon, a weekend where members spend their time CADing our robot. Our members made CADs of the prototypes that they have built in the previous weeks.

The CAD Marathon is also where our team finalizes the designs for this year's robot.

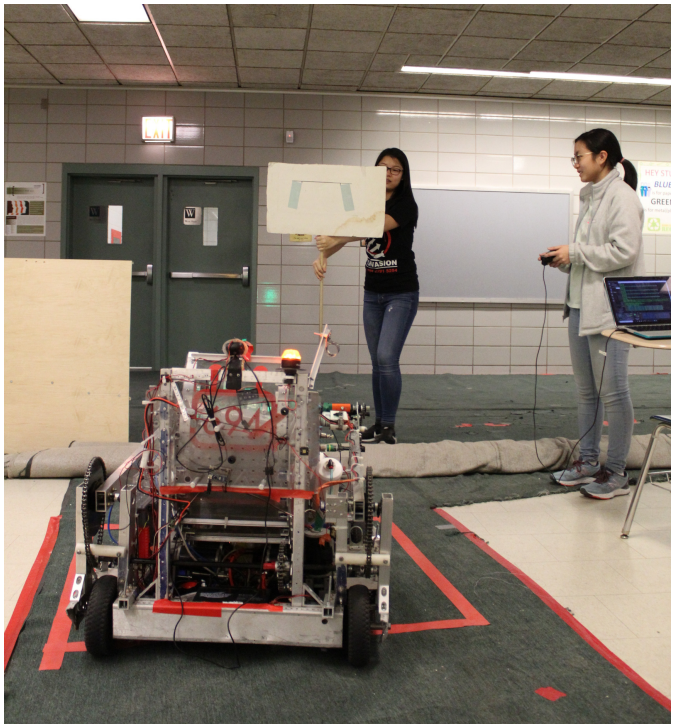
Take a sneak peek of our robot in the CAD above!

Engineering

After the CAD Marathon, our team decided on the final design of the robot. With a design finalized, we spent the week machining and ordering parts. Going into week 4, we have made most of the parts we can at the moment, and are waiting for orders to come in to begin assembly.



Software Engineering



During week 3, Software engineering worked on computer vision, general robot code, and learning more about the 2019 software. We finished up computer vision with the limelight and continued computer vision on the rio. We also helped design the mounts for our cameras. Week 3 marked the beginning of official robot coding. We finished up proof of concepts and began coding our subsystems: tail, drivetrain, rollers, floop, fangs, abom, and lift. We also researched unique joystick inputs to aid our operator. We also did some housekeeping with all of our laptops and installed all the 2019 software updates. We were able to test code on SPARKS and our acquiring system prototype

Marketing

This week, our marketers made progress on our Chairman's Award and Woodie Flowers Award. As well as our mentoring efforts with FLL teams in Puerto Rico; we met members from the Robogens through Skype and Google Hangout. We then gave them advice on presenting and programming.

