

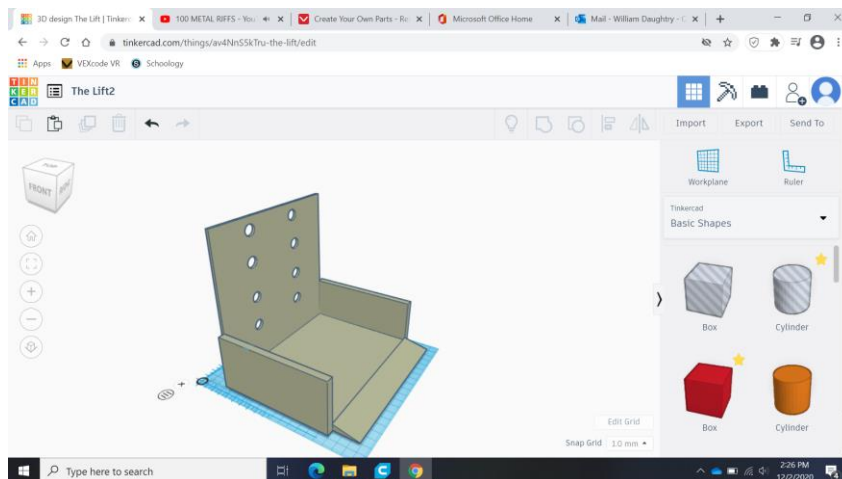
# Make It Real CAD Engineering Challenge

## Team 56445C

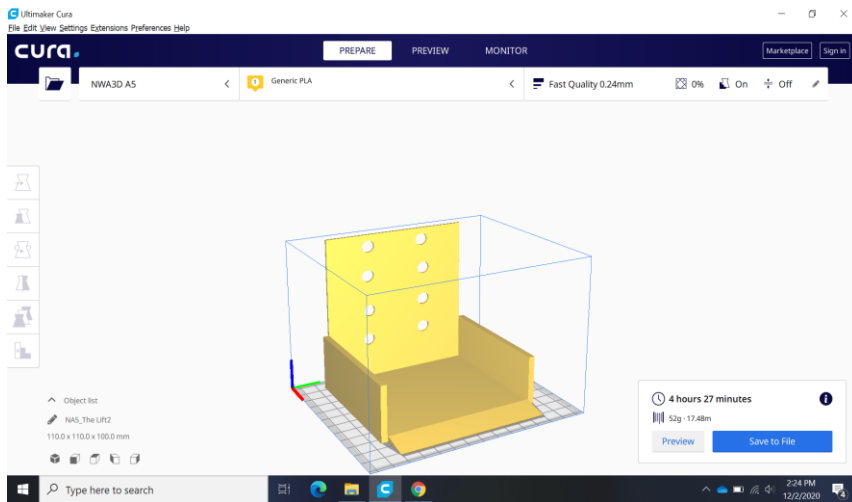
Hi, my name is Robby Rathel, and my team's CAD project is called the Lift. The Lift will be able to help in situations where an object will need to be lifted. We used Tinkercad to create the lift. With Tinkercad we were able to check the dimensions. We were also able to easily place all the parts of the lift. We exported the Tinkercad design as an STL file and uploaded it into Ultimaker Cura. We then sliced it and saved it as a G-Code file onto an SD card. We inserted the SD card into our NWA3D printer to print our prototype.

By participating in this challenge, I learned how to use 3D software. I would use 3D design in the future. This way I could make models of objects. You could use 3D design on a robotics team by printing parts, systems, and even entire robots. I would use 3D design in my career by printing models that could show my boss my ideas. My team and I enjoyed creating the Lift and I cannot wait for the 2021 competition!

This is the Lift in Tinkercad.



This is the Lift in Ultimaker Cura.



This the Lift after printing on our NWA3D printer.

