

Back On Track

Weekly Report 4/16/18 to 4/22/18

After the somewhat minor setback we encountered last week with the 3D printer progress, we are finally back on track with our schedule. The problem we encountered last week has been fixed with the arrival of ordered replacement parts such as the stepper motor driver and the control board which arrived quite quickly in the mail as I had ordered from a US-based seller rather than directly from China in order to save time but at the cost of, well, cost. During this week I also managed to finally fix the calibration of the esteps on the extruder stepper motor which was resulting in failed prints on my printer during initial tests. For some reason I had the esteps set to an insanely high value of 500 rather than the typical value of 150 or so. During the week I also managed to calibrate the other axes using a printed calibration cube which had originally failed but was now printing properly which is meant to have perfect dimensions 20x20x20 mm if the printer is properly calibrated. I managed to achieve these results using several iterations of the print with changes in the gcode. In addition, during this week I also worked on finalizing my portfolio to give to my mentor, albeit being a bit slow as I had to update several pages on my website which I had not checked on for some time. In this upcoming week I also hope that I make sure to keep ahead of my assignments as there are many events this week I will need to look out for such as the rehearsal for final presentation night, making sure that my portfolio is fully evaluated, and making sure that my invitations are ready to be sent. As the school year is nearing the end, I need to be sure that I still maintain a focused mindset in order to finish the year strong.