
Documentation for

For Engineering, I guess...

- Year 2018-2019



Introduction

Hello! This is Hanbit Kang. From now on, I think documenting my work on pages seem most convenient. So everyday, I will be explaining my progress and work throughout the day and week and see how far I have progressed. Thanks for reading this introduction, and you can scroll down to see all of my work. Below are some things about me that I like to do!



Watch Anime!



Make Music!

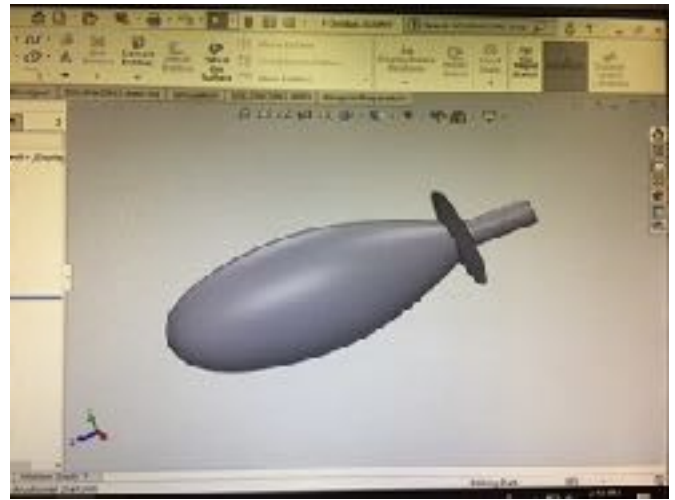


Play Volleyball!

WEEK OF NOV 12, 2018

November 12, 2018

Today, I realized that I did have my p-orbitals for some reason, so I have been making the p-orbital models on SolidWorks and making sure it would fit with our other parts.



November 13, 2018

Today, I have gotten done with 3D Printing 2 of the 6 P-Orbitals done. However, I have realized that the dimensions are not correct and the files were not updated in STL, so I had to convert the STL file again and reprint it. The part also easily fall from your hands and drop to the ground and break, so I had to go an modify it again in order to fix that problem.



November 14, 2018

I used the Makerbot today to create the modified P-Orbitals. While setting that up and waiting, I was documenting on bulb and correcting my grades. (I also had Red Jacket Meeting so I came in later during class.)



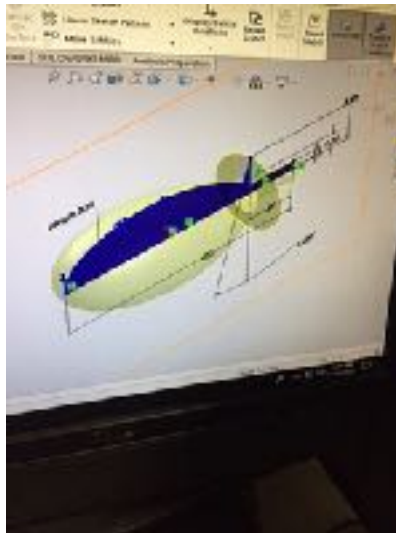


November 15, 2018

Yay! Finally, my 2 out of 6 portals are done! They look very nice and clean. I hope to continue to do this as I finish the last 4. I sanded the 2 parts and now waiting for the MakerBot to be open for use. I'll get two more done by the end of today, hopefully. I also have been updating my bulb continuously.

November 16, 2018

Today, I realized that the P-Orbitals wouldn't fit in to the ball, so to ensure that we give our client, Mrs. Snyder the best product, I have decided to remake them until we have a very good product. On SolidWorks, I fixed it so that it would fit our model. I also worked on getting the Coppell High School bulb template into my account.



[https://
www.bulbapp.com/u/my-
story~5630?
sharedLink=e6a3f0f1-
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b21558d7c931](https://www.bulbapp.com/u/my-story~5630?sharedLink=e6a3f0f1-e230-40e1-8f51-b21558d7c931)

WEEK OF NOV 26, 2018

Nov 26, 2018

I started 3d printing the remodeled versions of the p-orbitals, and hopefully, finish these this week so that we can present them at the latest by next week. While waiting for the 3d prints, I started on working on the portfolio and what I needed to do for the engineering class and modifying some stuff. I also worked on creating a sketch of the band for the gingerbread house.



Nov 27, 2018

Finally! The p-orbitals parts are perfect! They are sturdy and fits well. I am happy because now, I can just continue to print these. I hope I can continue printing today after other people 3d print theirs. I wasn't able to 3D print them today, but tomorrow, I will. In the mean time, I have been creating a contract for the 3D printing project and creating an AirTable account for future uses

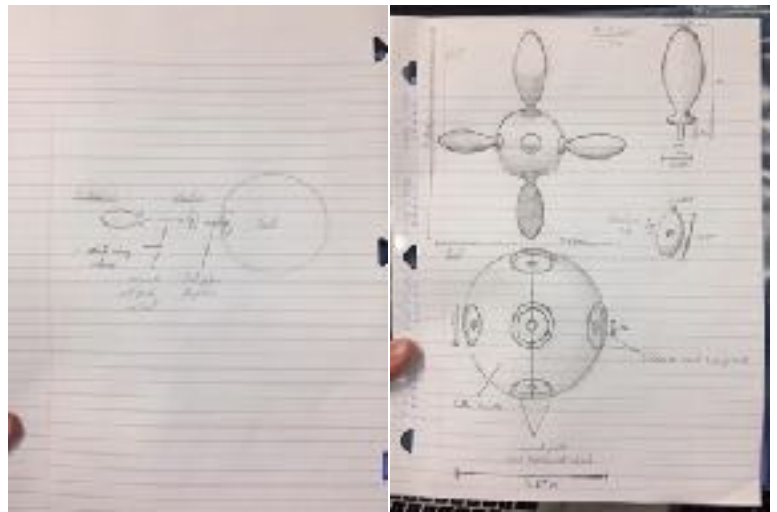
Nov 28, 2018

Today, I got my p-orbitals to start printing again. In the meantime, I was planning out the gingerbread house with the team and making sure the design, space, and the resources were planned accordingly. I was submitting things as well for the capstone project.



Nov 29, 2018

I fixed the Makerbot that was failing yesterday. I got to fix and started reprinting it again. In the meantime, I worked on the sketches and getting approval for all the things we need to get finished. I had go get project approved from our client.



Nov 30, 2018

I started submitting all my documents and finished up everything that was due today. I also got two more p-orbitals. One seemed to break off at the tip, so I have to reprint it again. However, Solar has been using the Makerbot, so I have not been able to work on that today.

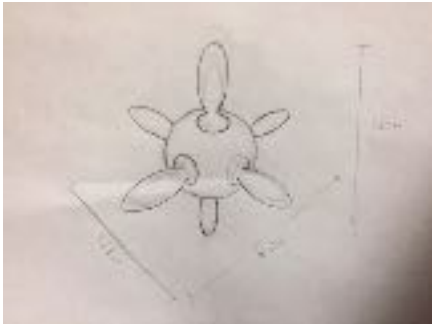
Reflection:

Overall, this week has been a productive one. I was able to refine many of the sketches and get many things done for the 3D printing project. While I was doing that, I was also able to manage the Gingerbread House project, and fixing the Makerbot. So overall, I was able to manage my time very well which I think was something I wanted to do. Even though I had a lot of work on my plate this week, I was able to complete each and every one of them. (or at least I hope so...)

WEEK OF DEC 3, 2018

Dec 3, 2018

Today, I started creating a schedule for the use of 3D printers. This would make it easier for all of us to organize and schedule times when someone would use the 3D printers. I also had a Gingerbread meeting with the other members and planned out more for this week. I also tried fixing the Da Vincis, but they seem to be more mechanically complicated, so I decided to put off that work for now.



Dec 4, 2018

I have been working on fixing the Da Vinci's again, but to no avail, so I started to correct my sketches in order to allow the viewer to completely understand how our part looks like.

Dec 5, 2018

I started getting the 3D printing schedule to be more efficient. Everyone is in on it, and I believe it turned out well. Everyone started getting together and nothing was unorganized. Also, I have been continuing to sketch while I started 3D printing my P-Orbitals.



Dec 6, 2018

I worked on making the Gingerbread today. My partner baked it yesterday and now, I will be decorating it. Hopefully, we have the resources to make it today. I also got my P-Orbitals done! I got every part I needed, but the color was the same, so I need to fix that, however, the first 3d assembly has been finished!



Dec 7, 2018

I assembled all of my parts for the 3D printing project, and I got it approved by our client, Mrs.Snyder. I worked on documenting all of these stuff as well and working on the gingerbread house once again, wrapping it all up soon.