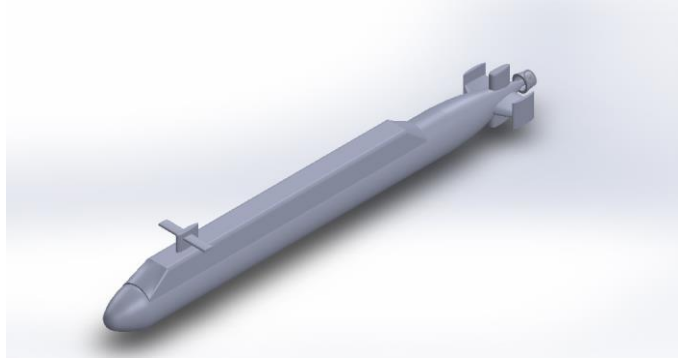


# Model Ohio Class Submarine

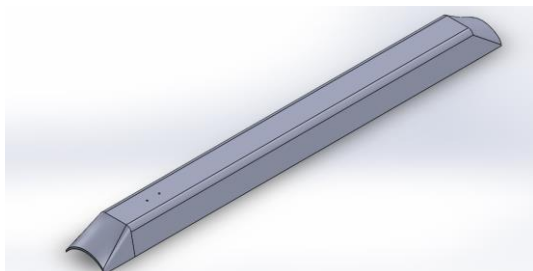
## Personal CAD Project

This project was inspired by a model submarine I own. As an aspiring submariner, the world's most powerful weapon in the Ohio Class Submarine was an obvious choice. The following image is a photograph of the actual model. I've had a passion for submarines since I was in middle school, so anything submarine related can capture my attention instantly. The chance to create one in SolidWorks was no different as I didn't even have to think about what I want to do my project on.

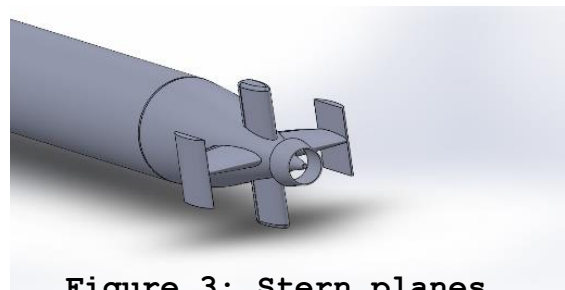


**Figure 1: Model submarine that inspired project**

Recreating the hull of the submarine was relatively simple as it consisted entirely of extrusions and lofts, although in total over 20 planes were used to get the proper shape. Determining how to set up the lofts for the raised missile deck off the top took a while, and had to be done twice as I made the radius of the base too small on my first attempt. I most enjoyed creating the stern planes at the back of the submarine using extrusions. I found it pretty simple and it really made the shape I was making look like a submarine.

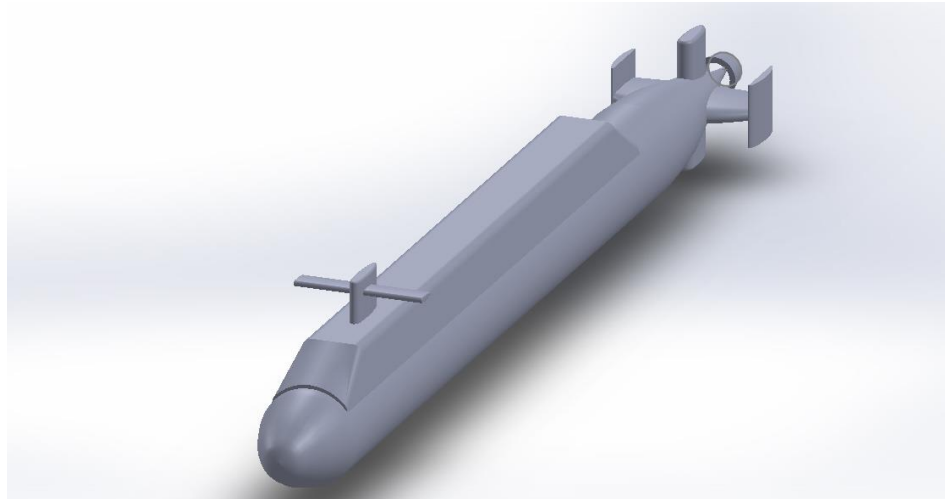


**Figure 2: Second missile deck**



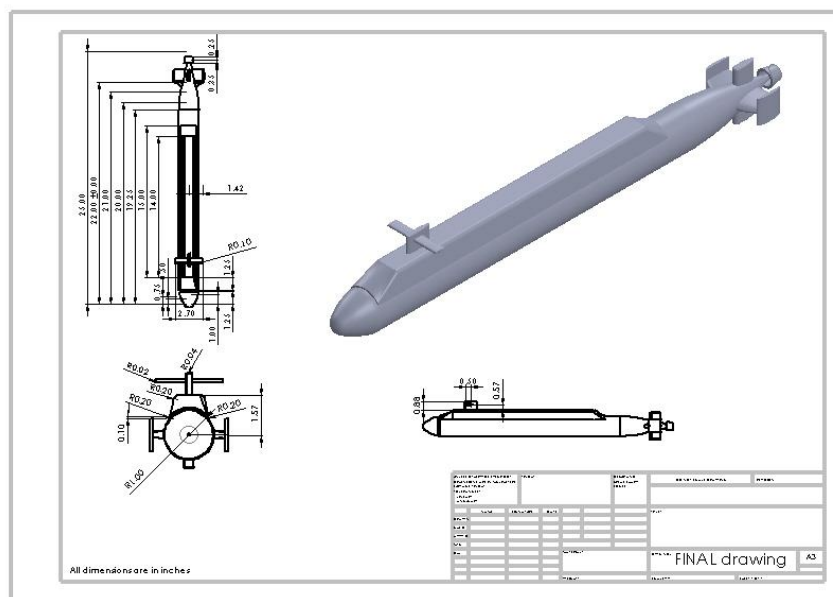
**Figure 3: Stern planes**

Then came the assembly, which made me realize that I am still extremely bad at mating pieces together. After a very long time it finally came together to make a submarine. I still despise the assembly process.



**Figure 4: Assembled Submarine**

Finally came the drawing of the submarine. For some odd reason that I still don't know, I kept getting these weird blue markers all over the place that looked like the "origin" symbol. I decided to resize the drawing and they then magically disappeared. The following drawing shows the front and isometric views in a 1:2 scale and the top and side views in 1:5.



**Figure 5: Final multi-view drawing**