The edesign personal project I chose to create was a model pair of skis. The skis I based my designs and measurements off of are from my very own pair of skis that I brought up with me to state college. I chose to create a pair of skis because skiing has always been very important to me. Its the one thing in my life that I always enjoy doing and makes me totally relaxed. I have been skiing for 7 years now and I don't think there has ever been a time where someone has asked me if I wanted to go skiing and I turned them down. So to me, creating my own pair of skis as a 3D model on edesign was an interesting experience.

Each part of the model ski started out almost in the same way each time. I would first create a rough model to what the part should look like on the correct plane. Then I would take measurements from my skis and correct the rough flat design that I created. After this I would extrude the design to about the same thickness of the part on my very own skis. After this part each piece I designed became more unique in how I was able to model them. A lot of the pieces were created through the process of setting up to five different planes and creating other features that would be added into the part or extrude cut out of the existing design. After I was happy on how the model looked the process always ended with filleting different sides on parts to create the flow my ski bindings have on my skis. Finally after I could get the piece looking close to the actual model I would assemble the part with the already finalized pieces to make sure everything fit correctly with the already finalized parts.

During the design process the biggest challenge I faced was to figure out how I was going to build the back ski binding. After a lot of trial and error I found it was best to piece out all the parts. I took each section of the binding and would create that piece and begin to build the model from there. Another challenge I faced during this process was finding out after I built a piece of the binding it wouldn't fit together correctly with the other pieces. With each part I found it best to extrude cut each piece to how I saw it on my skis so that when I finally piece together the ski binding it would look close to what it actually looks like on my skis.
Figure 2 Side reference of the skis created showing the detail in the front of the back ski clip.

Figure 3 The side profile of the skis the design was based off of.

Figure 4 A top view of the skis this design was based off of.