Katie McNeil

SolidWorks project

I recently adopted a kitten in January that lives in my home near Pittsburgh. Since he is still a kitten, he is really playful and likes to climb to high altitudes because he is adventurous. That is why I figured that a cat tower would be perfect for him because it would allow him to climb, play and rest. The tower is 5 feet tall with two different platforms, which would satisfy his desire to be high up. I have been a cat person my entire life and it makes me happy to see that my kitten is happy and having fun. Since I am just over 5 feet tall, it would be cool to have my cat at eye level with me.

The most difficult part of this project was correctly dimensioning the two extrusions in the base piece to align to two posts in the tower. If they had not been dimensioned precisely, they would not have been able to connect and become sturdy.
I was not very comfortable with using SolidWorks at all before this project. Now I feel very confident in my ability to make designs and correctly dimension and assemble them together. What I found especially fun was that I actually modeled this design off of the cat tower I have at home. It was purchased from PetCo. My design was similar but a few adjustments were made to make it unique. As you can see on the picture on the previous page, I even added a carpet texture to the central design with a finished wood base. It really amazed me that I was able to recreate something that actually exists.