For the Engineering Design 100 personal CAD project, I designed a chess set using SolidWorks. I picked a chess set because I think that the pieces can be elegant and works of art. Though I never played much chess I always enjoyed looking at the different styles of pieces from different sets. Pieces can be done in themes from anything from animals to pop culture or film figures. I chose to do a classic style chess set with traditional shapes and figures. The model was mostly done from my vision with what I thought looked appropriate, but I did look at
several chess sets for inspiration, such as this one:

![British Staunton Ebonised Chess Set with Mahogany & Sycamore Chess Board](image)

The most difficult part of the project was adding the cross to the top of the king and designing the crown for the queen. Almost all of the project was done through trial and error, seeing what would work and also look best. After the first few pieces I was much faster at designing the rest of them. It was frustrating if I wasn’t able to solve a problem on the program, but I did enjoy the overall design process. It gave me an opportunity to be creative with a software and I am proud that I was able to create an entire chess set after only a semester of learning the program.