Ballet Point Shoe
Personal CAD Project

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http://en.wikipedia.org/wiki/Pointe_shoe
http://www.polyvore.com/bloch_131_serenade_pointe_shoe/thing?id=17268085
The object I chose to design was a typical pointe shoe. I modeled it after the point shoes that professional ballerinas as well as dancers in training use. I chose to design the pointe shoe because I am a dancer. I have been dancing since I was 5 years old that is about 13 years of dancing. I used to do ballet which required pointe shoes. I thought it would be fun to design the most vital a ballet dancer her shoes.

The most difficult part of building the pointe shoes was trying to make the specific dimensions which made it very hard to fully define the shoe. This was because a pointe shoes does not really have a uniform shape. It was also hard to make an empty area in where the foot would be. I also had great difficulty round the back of the heel. You can clearly see it in my solidworks representation. However, I tried my best to get it as close as I possibly could.