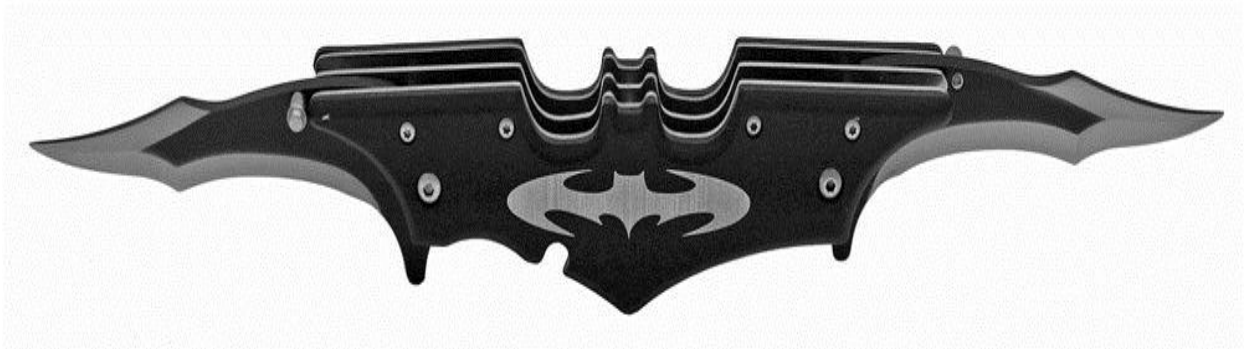


# THE BATMAN KNIFE

My CAD project was inspired by the batman knife below:



[https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSbzn7Whe-Ems66tFOLJKH25TPee5V9bptqOo7GWEP-T\\_rAej\\_oQg](https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSbzn7Whe-Ems66tFOLJKH25TPee5V9bptqOo7GWEP-T_rAej_oQg)



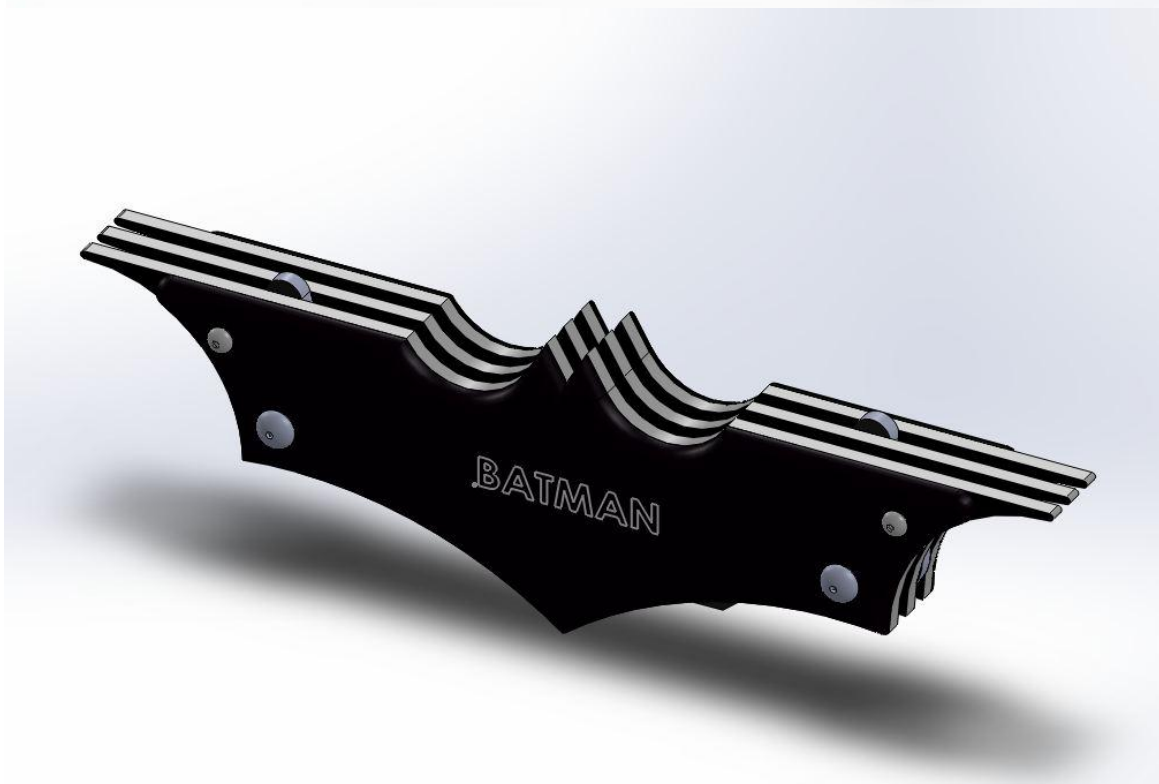
[http://i.ebayimg.com/t/BLACK-BATMAN-SPRING-ASSISTED-DOUBLE-BLADE-FOLDING-POCKET-KNIFE-/00/s/MTc3WDEwMDA=/z/asgAAOxylk1ReB1L/\\$T2eC16R,!zQE9s3ssOOGBReB1K7OQw~~60\\_57.JPG](http://i.ebayimg.com/t/BLACK-BATMAN-SPRING-ASSISTED-DOUBLE-BLADE-FOLDING-POCKET-KNIFE-/00/s/MTc3WDEwMDA=/z/asgAAOxylk1ReB1L/$T2eC16R,!zQE9s3ssOOGBReB1K7OQw~~60_57.JPG)

**Images of my CAD project done on SolidWorks:**

The BATMAN knife with its blades open:



The BATMAN knife with its blades closed:



- I picked this object as I am a big fan of batman and I own this knife and I thought making a SolidWorks model of it would be very interesting.
- The most difficult part of this project was animation. The blades of my knife are moving and rotate around an axis and therefore can go in and back out. I was able to complete the animation but it wasn't completely correct as the rotation happened in the direction opposite to the one it is supposed to happen in. (The animation video has been provided).
- As mentioned before, I am a huge fan of the batman movies as well as the comic books. I have been reading batman comics for 6 years now and have watched the movies multiple times. Therefore I decided to pick this as my personal CAD project.
- Completing this project has been a lot of fun as it covered all the topics that we covered in SolidWorks throughout the semester. As we had the choice of choosing our own object, we had the opportunity to learn to work with new software and make something that really interests us. Most of the tools that we learned to use through the semester was used in my project which helped me get more familiar with them and hence with SolidWorks as well. I learned how to visualize objects in 3-D which will be very useful in my engineering studies in the future years.
- In my opinion, the early stages of engineering design are the most crucial for successful product development and the use of SolidWorks has really helped me with visualizing and has proved to be a very useful design tool.