Project Description

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- 1 First Idea
- 2 3D Printing
- Wooden Pendant
- 4 Coaster
- 5 Questions



First Idea // 3D printed Jewellery

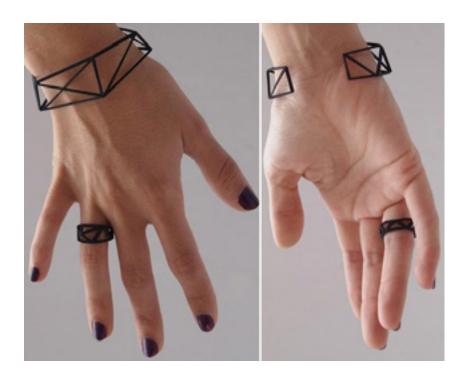




Designer Mendel Heit / Stilnest



Goncalo Campos' jewelry





clear design and simple shapes

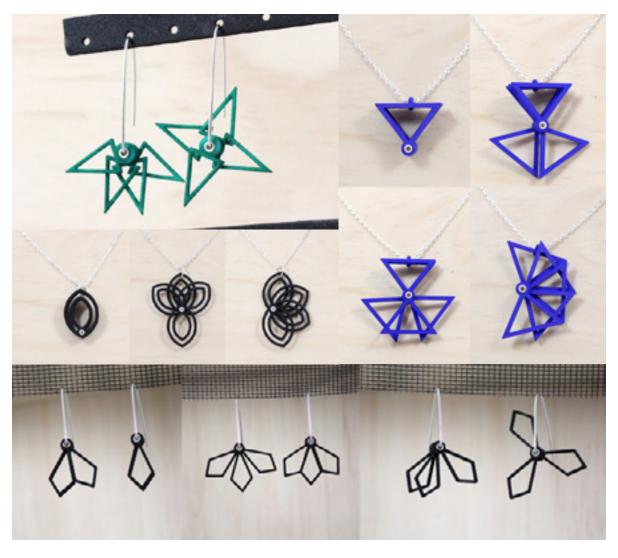


http://stylefrizz.com/201302/dare-to-wear-3d-print-jewelry-by-goncalo-campos/

Label Kinetic Patterns

Combine geometric & floral patterns in one piece.

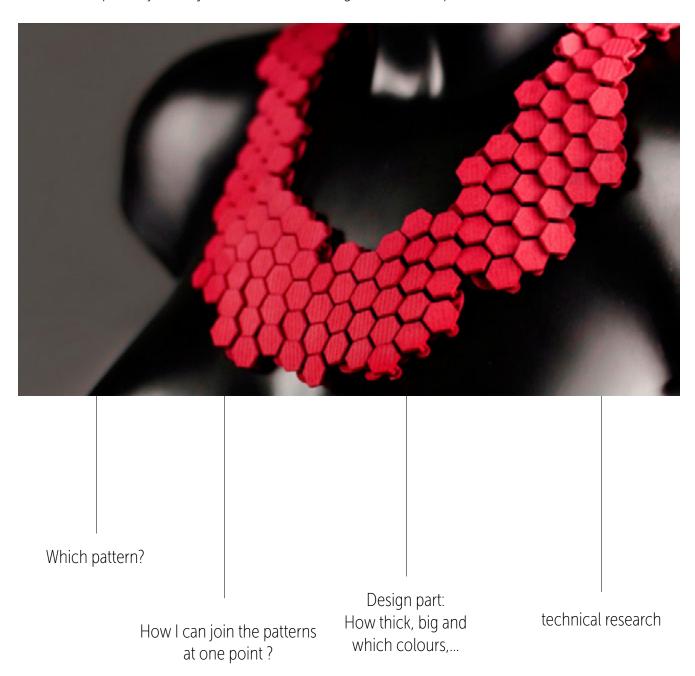
Each piece has some kind of movement in it. Some move freely & some you move and create different designs out of one pattern. The basic concept is to wear one piece in varying styles and emote fun with fashion! The wearer is a part of the design. The patterns are joined at one point through fine silver tube rivet.



http://www.thefinderskeepers.com/blog/2013/01/featured-designer-kinetic-pattern/

First Steps

3D printet jewelery, Create different designs out of one pattern;



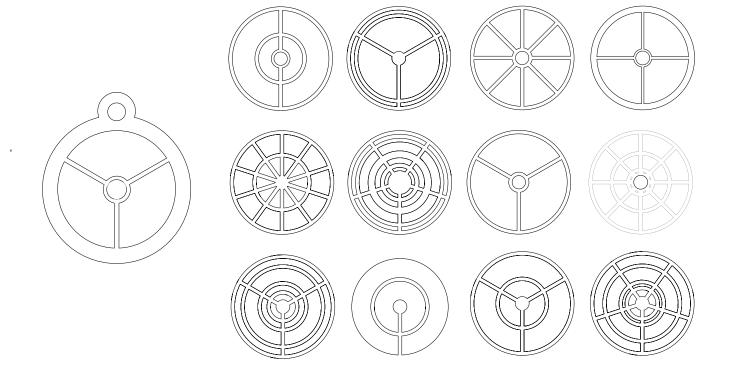
Because of some research about 3D printed research and comparing the result from the 3D printer with the result of the Laser Cutter I decidet to change the material for my project. My first try was a Iphone Cable Cover. The result was unacceptable and the material broke after one week.



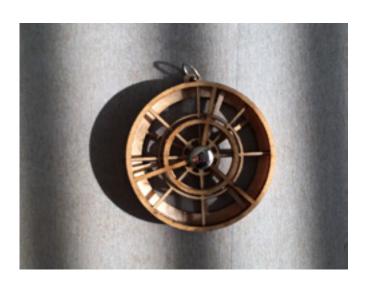


Every pendant is unique because the componets are always different. The problem with the compound I fixed with a rivet. So the whole object is transformable and is reminiscent of a clockwork or a componet of a machine.

Different shapes:

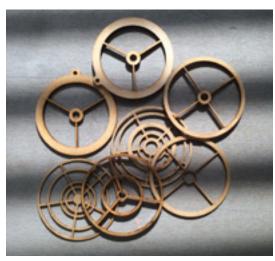


Result

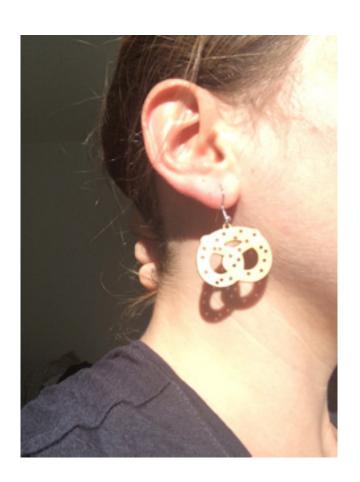


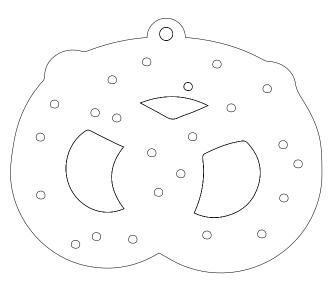


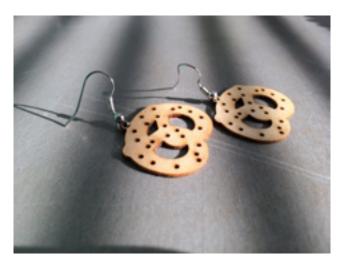




Brezeltime

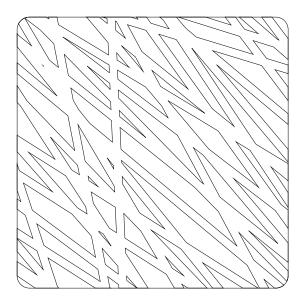






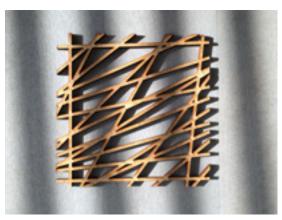


Coaster











5 Questions

Initial goal of the project?

Combine geometric and floral patterns in one piece. Each piece has some kind of movement in it. Some move freely and one piece is the connection to the chain. If you move the different pieces you can create different designs. The basic concept is to wear one piece in varying styles and emote fun with fashion. I also wanted to try out all machines in the Fab I ab.

What has been done?

Tried to find the best material for the pendant. After 3D printing I decidet to use the laser cutter because the wooden material supports my idea better. So I used the Laser Cutter for my project and fixed the different components with the rivet. Because of using it in the daily life I want to coat it with lacquer to save it from damage due to wear and tear.

What were the problems?

To find a way to fix the components and the best material for the pendant. The height of the wood was also tricky because at first it didn the rivet. The patterns are now joined at one point through fine tube rivet. To find the rivet was one of the biggest problems.

Were they solved? How?

The patterns are now joined at one point through fine tube rivet. Next try would be to find other shapes and maybe try another material.

For the coaster I need to coat it with a special lacquer to protect it from liquits who leaks out the glass or teacup.