Portfolio 2016

Christoffer Petersen

(Industriel Designer)
(Transport Designer)

About Me

Sketching -
Photoshop & hand

Modelling -
Foam, cardboard, metal, wood, plastic, fiberglass, carbon fiber, 3D printers, CNC and more.

Software -
Adobe Master Collection CS3-CS6
SolidWorks 3D
SolidWorks 2D
Photoview 360
Rhinoceros 4.0
Microsoft Office Pack
KeyShot
Vegas Pro

Languages -
Danish
German
English
Swedish
Norwegian

Education & Internship

The Royal Danish Academy of Fine Arts
School of Architecture, Design and Conservation

Master of Arts, (Cand. Des.) Industrial Design

University of Huddersfield (UK)

1 Year in Transport Design (BA) Hons

København Nord

3 Years - Higher Commercial Examination

Jacob Jensen Design

6 month - Internship

Exhibitions

Milano EXPO 2015 - KADK NØW (EXO Chair)

London EXPO 2015 - KADK NØW (EXO Chair)

Sketching

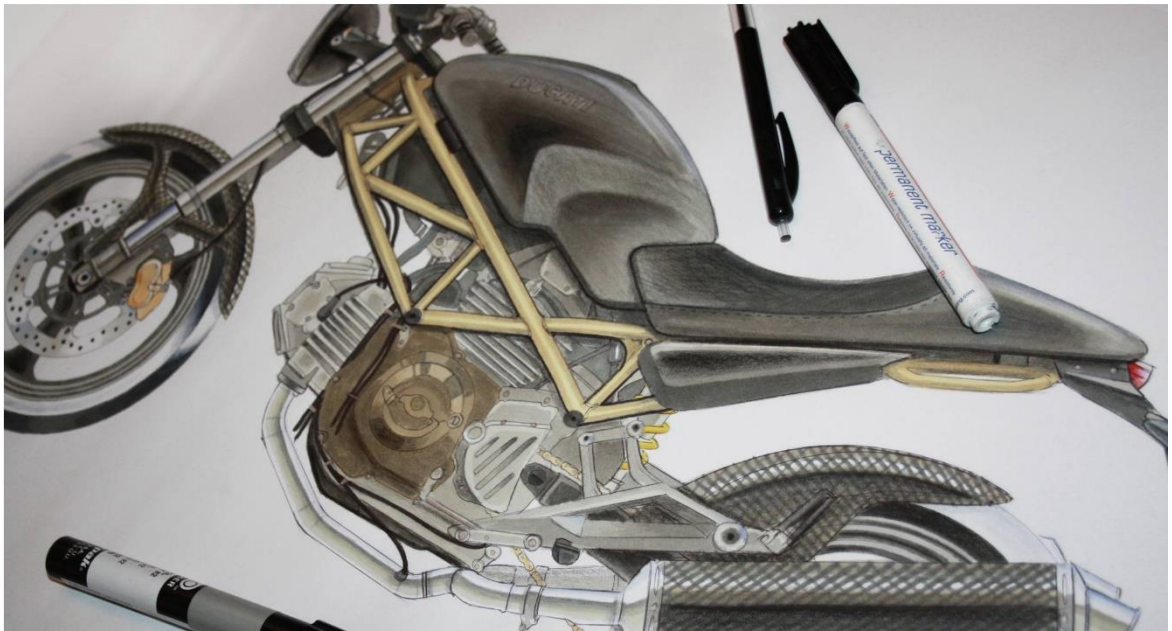
All my life i have enjoyed sketching. It did not matter if it was a dragon, animal or a box shape with shadows.

I enjoy using my sketching techniques in the creation of a design. And to give my designs more life/colouring.

I prefer using a ball-pen when sketching, and then using markers for colouring and shadows.

Not only handdrawing, but also computer sketching. For this i prefer photoshop, and i have learned most of my techniques from years of training by my self.

Maybe marker skecthing is outgoing, but i enjoy it very much. It's a fast way for me to create illustrations of the ideas i get.



Speaker Design

This speaker is a passive speaker with a sophisticated and stylish look.

The speaker is developed in good materials and are perfectly suited as stereo speakers for the living room.

The speaker can be made both in aluminum and ABS plastic.

The idea for this design came from triangles. Using triangular shapes all over the design. This was the final design.

In this design i used the method of cutting cardboard into different shapes, and putting them together. After i made a scale model i decided to make the design into a real speaker prototype with aluminum material 5mm.

The prototypes are handmade, and the aluminum parts where cut out using a wirecutter.

Dispenser Design

I found a problem with clingfilm cutters and the solution was this cutting dispenser design.

The inspiration for the shape came from a drop.

Using 3D print prototypes and CNC made prototypes, and alot of computer work the final prototype worked so well, that i decided to make tooling for this product design.

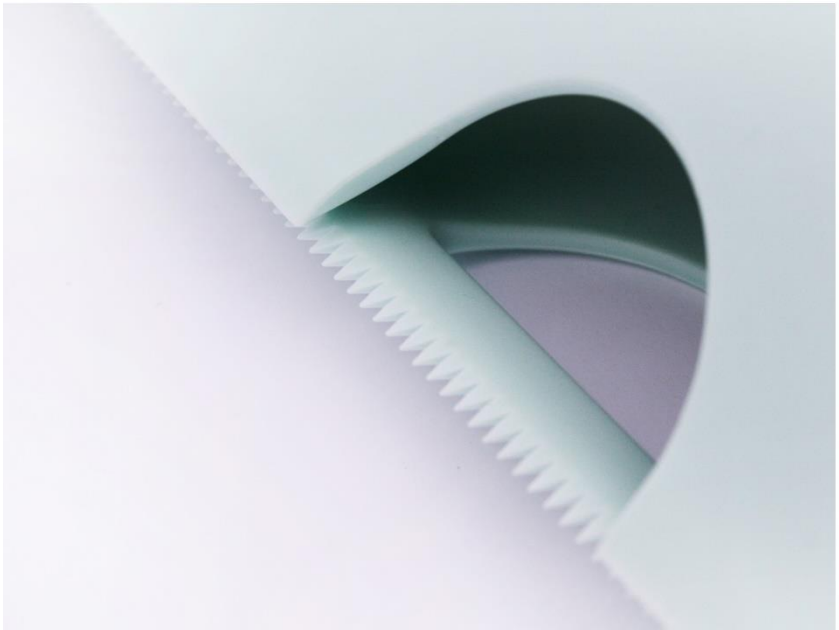
I was tired of carton boxes with clingfilm that did not work so i decided to create my own.

This dispenser works well, it is very easy to use, and the design is very simple compared to it’s functions.

The product is made in lightweight ABS material.

By making this product i learned a lot about the development of a plastic product.

I also learned methods of engineering clever assembly solutions that are usefull for future projects.



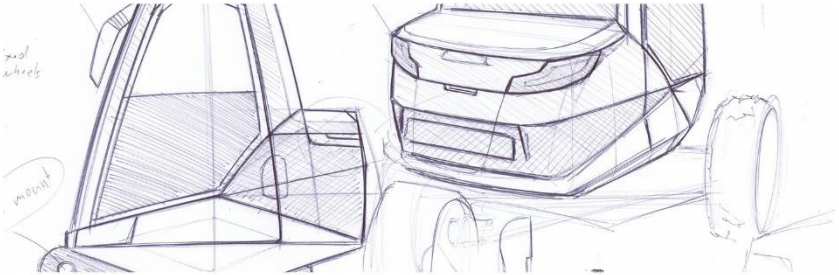
Excavator Design

This excavator project was made as a new type of concept excavator. The design makes it possible to tow the excavator behind a large car. Normally you would need a trailer to put the excavator on before towing, but this concept is able to be towed directly from the car.

Another key feature on the excavator is it's ability to drive on the road at speeds up to 70 km/h.

The methods used in developing the design makes it possible to produce the excavator at low cost.

It's also possible to conncet a small trailer onto the excavator itself.



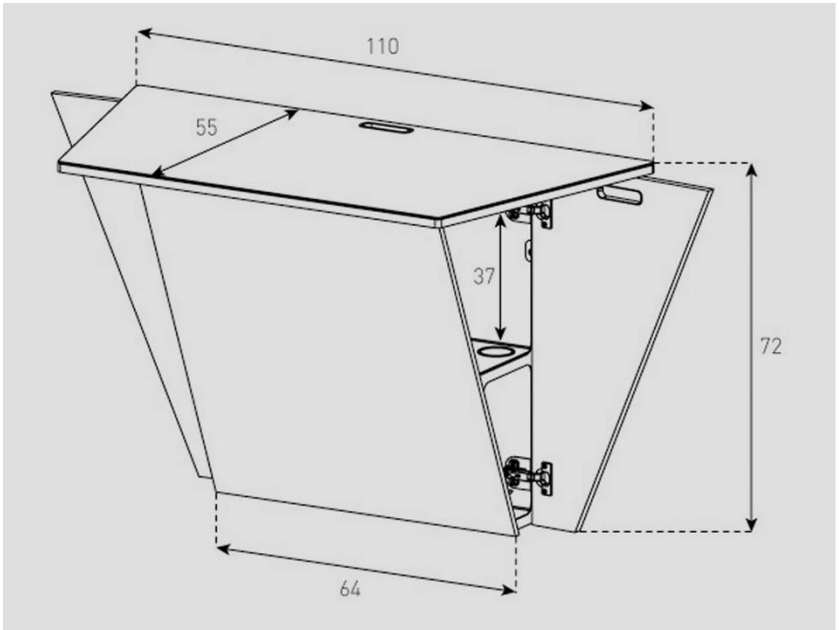
Furniture Designs

During my time as a student. I designed some furnitures together with a turkish company.

One furniture for TV, and a desk furniture.

Both furnitures are designed for wall mount, but the TV furniture can also be placed on the floor.

During the designs i learned alot about designing and manfacturing furnitures, and the methods to manufacturer them at low weight, strong structure and low cost.



THE EXO CHAIR

The Exo chair project was created by Christoffer Kronholm. In the search to improve the activity level of wheelchair users all over the world.

This was done by making the wheelchair frame a lot more versatile, instead of only being a transportation device. With the custom designed locking system, the chair became able of transforming into other functionalities, such as a Sitski.

The Sitski module was chosen due to a collaboration with a Danish Sitski OL athlete Ulrik Nyvold. Together the designer and the OL athlete fine-tuned the design to suit a wide range of users.

In the future, more modules can be designed, and added to the Exo Chair range.

This wheelchair design could make an impact with the design, not only focusing on sport, but also hunting, fishing, wakeboarding, but also for gardening, and other hobbies/sports that require a more customised wheelchair setup.

Lamp Design Series

The lamp design is made very simple. It's made with carbon fiber tubes, and LED light system.

The lamps are made as a series (not all are shown here) to make the production easy and kept at a low cost.

Most of the tubing and parts can be used to make various combinations for each user. It's a playfull lamp!

With normal DC connections it is possible for the user to create her or his own geometrick shape.

The lamps are extremly lightweight, and the LED components can be eather cold or warm light at different strenght.

The idea for this lamp was created by thinking "simple" both in shape and material possibilities.

MOMENTUM

Momentum is a e-bike design project. It was my (BA) project, and it took 8 weeks to develop and finish the design.

This project tested my skills as a designer in shaping a new kind of e-bike design combined with the
craftmanship in making the 1:1 scale prototype.

Assists speed up to 25 km/h.
Range about 60-80 km at low level.
Range about 10-20 km at high level performance.

The e-bike is fixed with LED lighting in front and back. The lighting is integrated in the frame like a motorbike or car. This makes sure you never forget putting lights on the bicycle.

Follow this link to watch a small video of the prototype:

https://www.youtube.com/watch?v=8v2JGfEDPVM

Jewellry Designs

These jewellry designs are all made with a heptogon geometry.

The material is stainless steel high gloss polished. This jewellry series is made as a fun project on the side. Playing with CNC these small pieces got to life.

I have allways wanted to design my own watch, and this is the first for me. The watch was the no. 1 item in this series, and the heptogon design spread into the other items in this series of jewellry.

The designs where made by using the computer programme SolidWorks.

MUGS WITH CORK

Mugs made in earthware and cork. The cork is either light or dark color. Cork is a perfect natural material for both hot and cold drinks - it has a great insulating effect. You can easily remove the cork, when cleaning the mug.

The dark colour cork is made in a oven. The high temperature makes the natural cork dark, and gives it a smoky flawored smell.

The design for mugs was adjusted a few times to get the best size mug. Many users were included in decision of the mugs sizing.

I saw an upcomming trend in using the material cork. Cork was very porpular in time arround 1970. Today we have many new ways of creating poducts with this material.

The reason for choosing cork as material for this mug design was simply the way it feels when you are holding it. The material has a warm feeling and soft touch. And it is also greener for the environment than using silicon for example.

Clock Design

This clock design is made to stand on the floor.

The inspiration came from an old “Bornholmerur” (Grandfarther Clock).

To make a more modern stand clock, with quality materials such as aluminum. This was the end result.

This watch can be made with different treadments. Anodized colours, painted colours, polished and glass blasted surface.

Other materials is also sutable. It could be copper, steel or even plastics and more.

It was important for me that there where no visibal screws when you are looking on the clock. The only 2 screws are on the back. These are opnened when changing the batteries or adjust the time.

The hight is 110 cm.

MULTI STROLLER

Multi Stroller is a new type of stroller concept designed to simplify the stroller for urban use.

It is designed multifunctional so it can be used to carry the golf bag around the golf course, or to the large difficult sports bag on vacation etc.

This stroller is narrower than other strollers and
therefore it's able to go through places where others can not. It is ideal for shopping as it has much more room for groceries in comparison to other strollers on the market.

Suitable for children aged 6 months to 4 years.

MULTI
STROLLER

Christoffer Petersen

(MA) Industrial Design

For more information or more pictures please contact me.

Contact

Phone: +45 24 22 05 41
E-mail: kronholm7@hotmail.com