Talk to the world.

XIONG Zhao's Portfolio

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People People

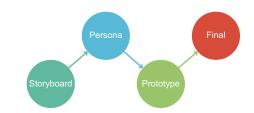
"Interaction design is the art of facilitating interactions between humans through products and services"

PIX&VOX

Team Leader Group work with Chen Yueyi, Pan Yue, Wu Jiayang

This project is supervised by Prof. Jacques Terken & Prof. Berry Eggen from TU/e.

PIX&VOX is an app which aims to help elderly people to share their stories and photos. I engaged in the whole process, including storyboard drawing, persona abstract, prototype portraiting, user testing, logo designing, and video shooting.



1.Prototype 2.Storyboard 3.Wireframe 4.Persona 5. Video (Click to watch)

6.Logo	7.Video	QR C	ode
			7

















CHEYUAN

Intern work in AAVA Consultancy

This is the project when I interned in AAVA Consultancy. I was in a team designing an app for GM China Science Lab, which would allow drivers to communicate with each other based on technology in license plates identification.

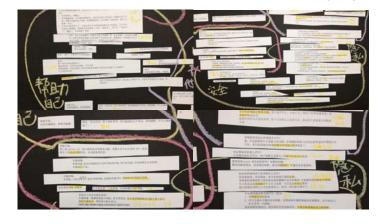
First of all, we did a user study on their opinions about this app. We interviewed 12 people with rational sampling (gender, age, job), and asked a series of questions. Our questions not only focused on what they like, but also what they dislike.

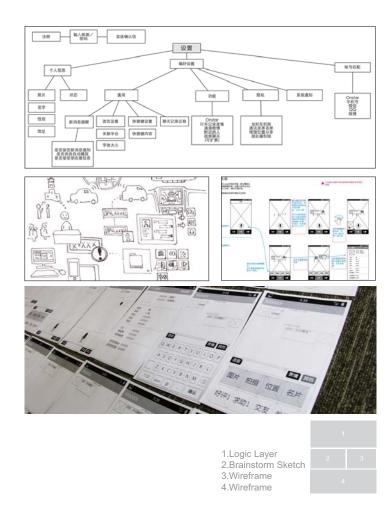
With the result of the analysis, we came up with several key words for our design.

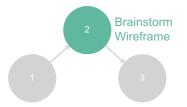
Privacy, Safety, Disturbance, Help, SNS, Self-exploration.



User study analysis







CHEYUAN

Intern work in AAVA Consultancy

After user study, we began to design the whole app. We brainstormed its functions, UI Styles, and the way to shoot the video. Finally, we decided to use Flat style UI in this app. We chose the CAR EYE as the key function and all the video content was based on this function.

Then, we sketched the user environment, and drew the logic layer of this app. In addition, we used Axure to illustrate the wireframe.

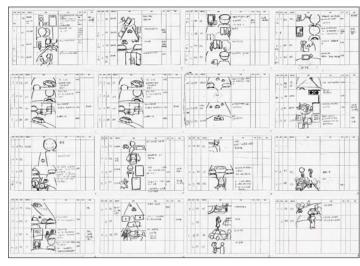
CHEYUAN

Intern work in AAVA Consultancy

In terms of the analysis before, we designed the UI (first version). Then we portrayed the storyboards and shot a video demo.



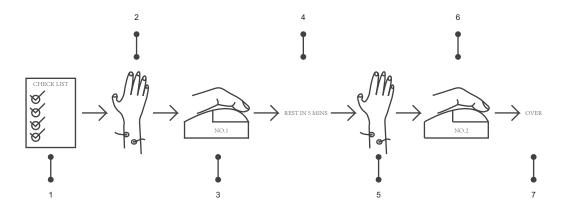
1.Storyboards
2.UI
3.Demo Video
(Click or scan to watch)





People Technology

"How could you live your legend without technology?"



- 1. Make sure all things go well.
- 2. The tester sit down quietly and paste the sensor on tester's muscle. Make sure the sensor can work.
- 3. Put finger on the first mouse. After 30 seconds' relax, the tester use finger click the mouse continuously in 90 seconds.
- 4. Rest in 5 mins. 5. Redo STEP2.
- 6. Redo STEP3 with the second mouse.
- 7. Over and finish a survey.







Team Leader Group work with 6 other students

In this project, we did an experiment to compare the mouse Magic Mouse by Apple and the mouse Rapoo N6000. By measuring the myoelectricity of the users' hand muscle, we obtained the data of different mouse.

My work basically focused on the experiment design and optimization, and data analysis.

Arduino & Processing

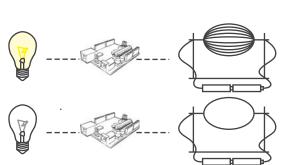
Personal Work

Arduino and Processing are tools for us to code pragram to interact with machines. They only need elementary coding skills and basic components, but can realize many of our fantasies.

I learned Arduino and Processing by myself.

Optically Controlled Motor

This is my Arduino work. I used Arduino to control a motor. When sensing the change of the intensity of the light around the motor, the motor would automatically adjust its rotation speed. (Click the photo or scan the QR Code to watch the video)









- 1. Process Sketch
- 2. Entity
- 3. Coding Picture
- 4 OR Code



Arduino & Processing

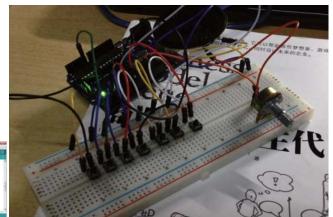
Personal Work

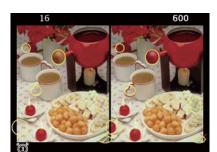
E-Keyboard

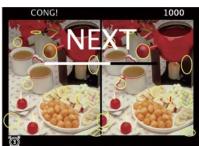
E-Keyboard mimics the sound of keyboard. You can change the volume by rotating the spindle. (Click the photo or scan the QR Code to watch the video)

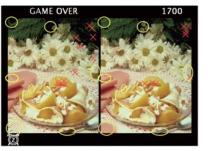


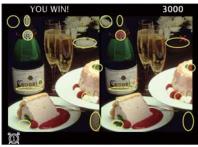








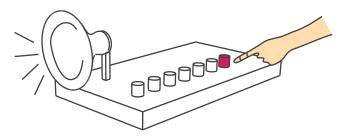




Spot the difference

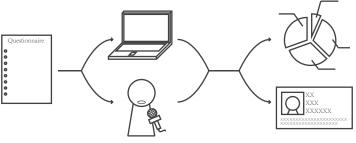
This is my Processing work. You just need to find the different places between the left and the right picture and click the mouse. There are 3 rounds in total. Every round you have 60 seconds to find out 10 hidden differences. You can use the CLOCK to increase your time. You have 3 CLOCK with 30 seconds each.



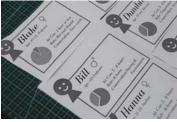


People Nature

"We do not own the nature. Nature owns us. Do not waste any piece of it."











2	3
4	5

- 1. Process
- 2. Questionnaire
- 3. Persona
- 4. Data Analysis
- 5.Poster

General Survey for Smart Grid Perceptions

Supervisor: Katja Holtta Otto Group work with Chen Yueyi

This is the research project made during my exchange study in SUTD (Singapore University of Technology and Design). Our aim is to survey and analyze users' behavior on energy conservation, and to develop new applications, equipments and systems for better living through the Smart Home.

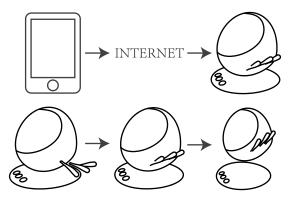
I participated in the whole process, including questionnaire designing, interview, data analysis and persona abstract.

Danny

Team Leader Group work with Chen Yueyi, Chen Dongxiao

Danny is a device which can interact with your plants. It contains two parts, a hardware part and a software part. The software is an app in your phone. You can view the statement of your plant and take care of your plant via this app. The hardware part will execute your order sent by your phone, such as adding water, loosening the soil. You also can see the plant state from the hardware directly.

In this project, I leaded my teammates to brainstorm the concept and the outlook. Also, I did the 3D model and designed the poster.





Shanshui

Team Leader
Group work with Chen Yueyi, Chen Dongxiao,
Li jiangchun

Shanshui is a radiator, which is inspired by the traditional Chinese landscape paintings. Using materials that support heat conduction and thermal radiation, we want to build a more environmentally preferable product. Excess heat produced by the computer can be more versatile.

I joined the discussion part and built the model and designed the poster.



The heat produced by the computer conducts through the panel therefore wouldn't accumulate and effect the running of the computer.

It brings coolness as well as peace to your life.

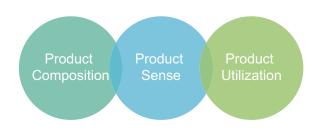




Explosion Dissecttion

Team Leader Group work with Li Jiangchun

Explosion Dissection is a method for product development. It checks every part of a product by dissecting it and abandons the unnecessary and the not environment-friendly parts in order to improve a product. In the meantime, combing the original function and human habits and behaviors, this method creates innovative design work.



We analyzed every part of umbrella with Originality, Emotion, Morality and Aesthetics. We found that only the umbrella holder and the surface could satisfy both Emotion and Morality requirement. So, we decided to design our umbrella with those two parts only.

In the Product Sense part, we put many Chinese symbols together, and then picked those which were similar to an umbrella. In the end, we chose the CandyMan and morning glory as our inspiration.

'What would you do to protect yourself from rain if you don't have an umbrella?' This was the question we need to answer in Product Utilization part. We gathered many pictures and found that people usually use a 'Plane' to cover themself. Sometimes people like to use a lotus leaf.



Explosion Dissecttion

Team Leader Group work with Li Jiangchun

Sunflower

This unique parasol is made up from a circular elastic fabric and an elastic ring due to the thought of 'Less Is More'. Abandoning the traditional complex umbrella structure, this kind of parasol has a rather simple design. When it is unopened, the parasol looks like a bud, which is tied tight by the elastic ring, when you use the parasol, move down the ring, and the parasol would expand like a blooming flower.

The lower the position of the elastic ring is, the larger the parasol expands. You can move the elastic ring up and own in order to change the extent the parasol expands.







Explosion Dissecttion

Team Leader Group work with Li Jiangchun

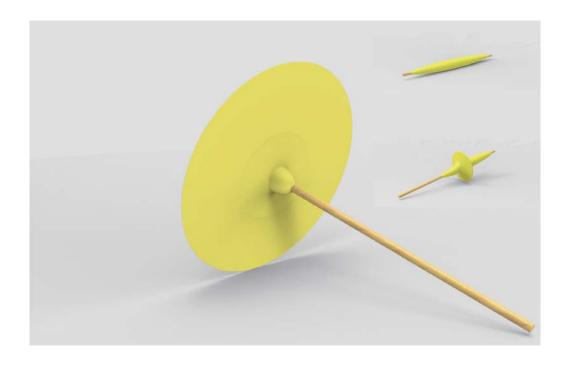
Rolla

For this special kind of umbrella, we abandon the traditional complex multi-frame structure, employ bamboo as the umbrella bracket and adopt the most stable triangular structure. Wrapping the whole umbrella with a kind of elastic waterproof material, we make this kind of umbrella rather interesting to use.

When you use the umbrella, you should push the surface, which is wrapped around the whole umbrella, to form a circular flat which is large enough to protect you from the rain.







Other

"Express yourself clearly."

Leica X2 Model

Personal Work

In this project, I sketched and modeled the Leica X2 camera. I used AI for 2d sketch, and used Rhino and Keyshot for 3d model, and finally used PS and Ai to perfect the picture.















This is the end of 'Talk to the world'. Thanks for everyone who supports me on the way to pursue my dream.