

Privacy exposure a theme exhibition

04

It is a personal project I did when I was in my third year, I planned the exhibition for 2 month, during the period, I collected relevant news and films and posters about the topic of privacy exposure, after that I decided to held a exhibition to show the materials I collected and the interactive device I made, in addition, I recorded the process when I did the interview, as a result, I played the video of the interview in the exhibition by using a projector.

07/2016

Critical Thinking
& Exhibition
design

CONSUMING UNAWARENESS



A video from Delmo Oliveira done for academic at Parsons. It records the process of offering people free pizza and asks them to write their personal data including: name, gender, photos, phone and address. Almost everyone feels pleased to do it and offers their information without hesitation. After the activity, they collected a whole book of personal information of participants.

YOU ARE BEING WATCHED



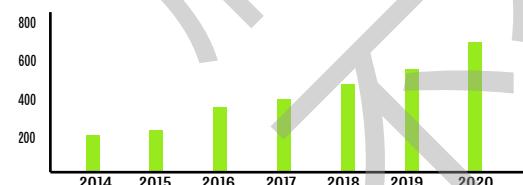
The Black Mirror (A TV play) tells a story about a boy who made his private video exposed but had no choice but to rob a bank under threat. The webcam we are facing everyday is a big threat. And nobody will let their private video leak out. The poor boy just enter an unsafe website and download virus which made his every moment position was watched by others.

INFORMATION LEAKAGE



More than 2,000 students' personal data at a university in Jiangsu province are suspected of being used by companies to evade tax.

INFORMATION SECURITY DEVELOPMENT



In China, Information security has become a national issue and a series of national policies have been issued to support the development of the information security industry.

PRIVACY EXPOSURE

EXPRESS FORM BETRAYED YOU



The information we left in the express waybill was suspected by selling by the express company.

WE LIVE IN PUBLIC



In the movie «Person of Interest», everyone is living in a world where words and actions of them are monitored by camera. You can only live on the assumption that every sound you make is heard and every action you make is

A QUIZ CAN GET EVERYTHING



A quiz can expose much information of WeChat users including their personality.

I went to the courier station in my school and observed whether the students tear up their express waybills after receiving them. I recorded a scene video about it and did some interviews with the passers-by and I collected the data at the same time.

Watch the video in my vimeo by click here:
<https://vimeo.com/user90386625/review/294118900/7b65c13d48>



I have interviewed 86 students in my school and after that I did a data visualization animation to describe the results of the interview, I divided the results into 5 parts and I did 5 animations by using Adobe After Effect. Right of this page are my works.

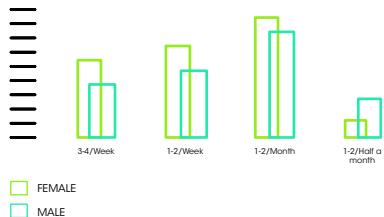
How many people damaged the express bill:



The Gender Composition of interviewees:



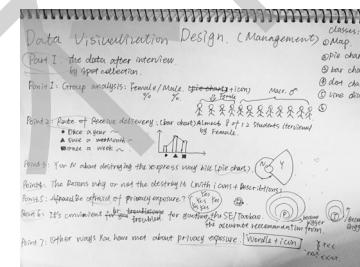
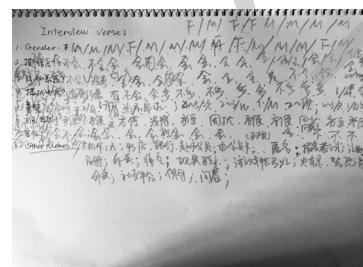
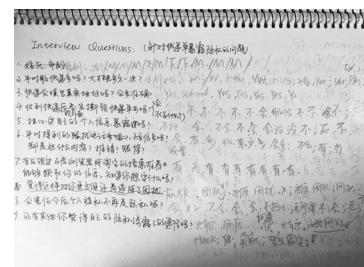
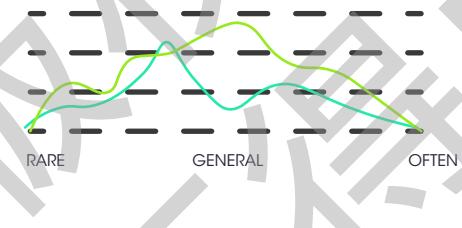
How Often They Receive Express deliveries:



Are they afraid of privacy exposure?



How Often They Receive Unwanted calls:



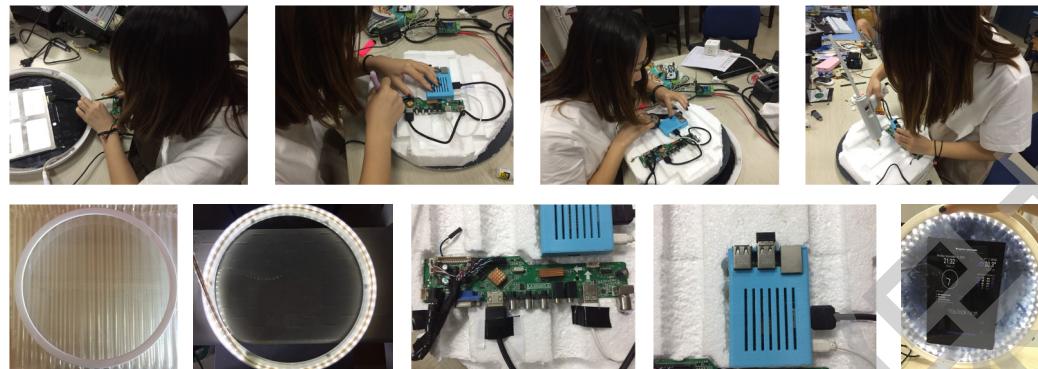
Gender of interviewees



INSIGHTS AFTER INTERVIEW:

- 1 Female students care more about their privacy than the male students.
- 2 It's a good chance for them to expose their personal data.
- 3 The awareness of protecting their personal data is weak in my school.
- 4 Most students care about their privacy but few of them will take measures to protect their privacy.
- 5 The privacy concerns are optimistic in my school.

INTERACTION DEVICES



1

I unwrapped the shell of a clock and made it become the cover of my magic mirror.

2

Then I used a Raspberry PI board and a LVDS screen to show the personal information in the front of the mirror.

3

I added a LED light tape wrapped around the outer frame of the mirror.

4

I fixed the boards on the back of the foam.

5

The functionality of the magic mirror was implemented by JS/CSS, I've encapsulated the code into a LVDS driver board and it operated by the Raspberry PI board which installed a linux system in it. The code are as follows:

```
complimentArray: function() {
  var hour = moment().hour();
  var compliments = [];

  if (hour >= this.config.morningStartTime && hour < this.config.morningEndTime) {
    compliments = this.config.compliments.morning.slice(0);
  } else if (hour >= this.config.afternoonStartTime && hour < this.config.afternoonEndTime) {
    compliments = this.config.compliments.afternoon.slice(0);
  } else if(this.config.compliments.hourOfDayProperty('evening')) {
    compliments = this.config.compliments.evening.slice(0);
  }

  if ('upset' in compliments) {
    compliments = new Array();
  }

  if (this.currentWeatherType in this.config.compliments) {
    compliments.push.apply(compliments, this.config.compliments[this.currentWeatherType]);
  }

  compliments.push.apply(compliments, this.config.compliments.anytime);

  return compliments;
},
```

```
// set current weather type module
currentWeatherType: '',
// before required scripts,
getScripts: function() {
  return ['moment.js'];
},
```

```
// get random compliment
randomCompliment: function() {
  // generate a random index for a list of compliments.
  // argument compliments -> array with compliments.
  // return Number - Random Index.
  return Number(Math.floor(Math.random() * compliments.length));
},
```

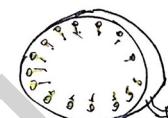
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},
```

```
// module config defaults.
defaults: {
  anytime: {
    // anything
    // place of birth, name, etc.
    'name': 'Huang Pei',
    'place of birth': 'Beijing',
    'place of birth': 'Beijing',
    'age': '1996',
    'gender': 'female'
  },
  // morning
  // place of birth, name, etc.
  // place of birth, name, etc.
  morning: {
    // anything
    // place of birth, name, etc.
    'name': 'Huang Pei',
    'place of birth': 'Beijing',
    'age': '1996',
    'gender': 'female'
  },
  // afternoon
  // place of birth, name, etc.
  // place of birth, name, etc.
  afternoon: {
    // anything
    // place of birth, name, etc.
    'name': 'Huang Pei',
    'place of birth': 'Beijing',
    'age': '1996',
    'gender': 'female'
  }
},
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```

SKETCHES



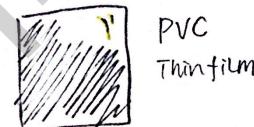
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Raspberry PI

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3D Printing Box

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JS/CSS

I held the exhibition about privacy exposure in my school and invited students to attend it. There are some relevant posters pasted on the wall and a magic mirror which will show the personal data while people stand near it, and a pad set on the desk to show the data visualization animation about the results after interview. And the projector screening the video I shot before. Many of them left their thoughts about privacy exposure in the feedback manual.



A symposium after the exhibition:

I introduced my inspiration about the theme of this exhibition and the process I came up with during the preparation period to the participants. They showed great interest about the theme and we talked a lot about it. One of them told me he once wanted to do a project about data mining from a critical perspective,

