

## **Reasons for choosing civil engineering as major and Taiwan for studying**

When I used to work as interior designer in my country, I have been experienced in construction field which is familiar with engineering. Then I decided to study for architecture or engineering for my master degree, Now I am very appreciate to study in this department in between skillful professors and students even that program taught in Chinese.

Reason of choose Taiwan: Some of my friends strongly recommended that Taiwan is very suitable place to study with friendly and helpful local people, safety living environment, comfortable weather and student scholarship. One of my big reason to came here is learn Chinese also.

## **The Friends**

My one of friend graduated in National Taichung University of education in 2015 for his master degree. He strongly recommended that Taiwan is a nice place to study. After that i went to Taiwan education -promotion day /that is the activity for Taiwan universities participation to introduce their universities/ which is arranged in my county to meet people who from Taiwan and i asked them my further questions. That time was easy to find information about Taiwan than other counties for me. Then I didn't think too much actually. Taiwan seems more familiar than other countries, because my friend was there and at least he could pick me up from airport :p

## **Reasons for choosing Taiwan**

I have no rich knowledge about other countries actually. Heard that some Mongolians also go china for study, but so difficult to get scholarship. And I have been in Hong Kong and Beijing before for travel. I think living cost is much higher than Taiwan and Mongolia. Maybe reason of choosing Taiwan is - i got more information about Taiwan than other countries on that time. :) I thought that some important things to study abroad is safe environment, lower living cost, taught in English program and scholarship. Thought that Taiwan provide all and first time tried to applied. i thought if result will be refused, then i will try it to

another countries also. But Taiwan accepted me with full scholarship.

## **Reasons for learning Chinese**

So many countries could communicate using Chinese in Asia and it became international language. Speak Chinese could be big self-advantage for person to bring good opportunity, especially in Mongolia. Because it would be bridge for cooperate to work together with foreign companies in various field. My reason for learning Chinese is- hopefully that i will be better person and bring better opportunities in my future. I should try my best to learn that as well and does not matter that mandarin or simplify Chinese for me.

## **Process for learning Chinese**

Last year I took morning Chinese class in NCHU language center for one semester as 15 hours Mon-Fri a week. It was helpful to learn basic of Chinese but felt so tiring to study as same time with my engineering class which means. I am at morning in Chinese class and at afternoon in engineering class.

Now i am taking evening Chinese class for international students in language center as 3 hours a week. Feel like learning slowly but it helpful to review and learn new words and speaking practice.

## **The meaning of design and reasons for competition participation**

I am deeply interested painting and drawing when I was young. Designer is totally my expected major which is aesthetics and creative. I used to work for 4 years as interior designer after graduated my university. And several times participated competition in my country as successful. In Taiwan, I felt so happy that having chance to participate competition and would never miss that.

The reason of participation is :

- 1- To try out my design abroad to compare own skill and method with other people's design
- 2- Share knowledge with other participants to learn from each other
- 3- Would like to obtain experience

During the competition I have seen so many great projects and presentations and they inspire me a lot. I was so happy for being between them to be participants.

## **The meaning of design and why**

Design is very big topic in various field. Everything have design in our environment even small things. Creating something beautiful and special things which could provide human demands in aesthetic way. But it is kind of hardworking job. In my opinion, designer means ~ someone who fall in love with that major and who could have flexible working hours to focus on only works than other things in the world.

For me, I would love to see that how people and clients are satisfied with my design is make me feel extremely happy even had hardworking days. That is why I would love with designing work and trying to improve myself all the time even studying as student.

## **The favorite design**

If you interested, you could see more further pictures of my design from my Facebook page. :) link is <https://www.facebook.com/idesign2511/>

So i want to introduce my latest design which for competition in Taiwan. About that project "wonderland": in 2015 December, i participated competition in Taipei by that project. Object given from competition organizers and competitors should design indoor area according to function as kid room playing area. More than 530 project participated and finally my design could won to get 1st prize after oral presentation between 19 final competitors in final stage.

I wanna emphasize one more architecture project - "Mongolian style" hotel. it was my 1st architecture project which designed in 2011. it was pretty long time ago and now i only have video on Youtube. link is <https://www.youtube.com/watch?v=OxGD506uznQ>

That is 5 star hotel and 36 floors which shows Mongolian tradition style mix with modern style architecture and luxury hotel will be most suitable place for tourists. Building shape design idea source from Mongolian traditional teapot.

## Graduate school

I understood that design is not only solution. The solution is combining design, function, technical, research and analysis to prove how it solving the problems. I learned and figured out many new thing from my helpful teachers and students in engineering department. My research topic is “Double skin facade for existing building in Mongolia /modeling and simulation in virtual environment/ ”. It is about determining problems of proposed building such as poor designed facade, climate extreme how influence to users comfort during winter and summer season, so on... Result will be shows how to solving that problems using double skin facade in virtual environment which means using engineering method and research combining designing solution too.

My topic is Double skin facade modeling and simulation virtual analysis for old building. Double skin facade means - old /poor designed/ building covered by new glass skin with ventilation. There is 30-90sm space between that old and new skin facade and some air circulate in that space. /we call it cavity/

That glass skin material should be environmental friendly and accept sunshine to collect warm air in the cavity. The main function is - hot airflow from out into cavity to circulated getting colder or cold air getting warmer in the cavity using double skin facade system to control indoor climate to bring more thermal comfort into indoor area. I am testing that system on old building which is existing in Ulaanbaatar city, Mongolia. Because it is high mountain located country and extremely different climate impacts in winter in summer. Climate extreme brings many problems to construction field such as lose heating... During winter period start October until April and average temperature around -30 degree.

During that period we spend a lot energy to keep warm inside. But still heat losing problem existing and energy cost increasing. So i am determining all physical analysis of that proposed building such as solar, sun path, airflow analysis based on that location using 3D model and virtual testing. Then design double skin facade for proposed building to get result that how it works and how heat losing could decrease and save energy. Thesis purpose is sustainable renovation of old building.

My proposed building for kindergarten and attending more than 300 children each year from September till June. During that cold period kids easy to get sick in the kindergarten. I think it is important topic that we have to pay attention and bring more comfort and healthy environment for them.

Also that poor designed building facade would change to beautiful modern building. It would contribute to urban development to make beautiful environment

## **Hometown**

I am from Mongolia, and it's located in the center of Asia. As it's located in the middle we have both eastern and western culture and our people's behavior is unique that we have both Asian and Western type of personality. Historically Mongolia is a nomadic country so that still till day we have nomads all over the country. You would be able to wild nature that's hasn't been touched by humans. For example, Gobi desert is a famous spot for its beauty and uniqueness. Although we still try to keep our tradition, most of the population adjusted to modernization and most of the people of the country live in the cities. My hometown, also the capital city Ulaanbaatar city is most populated city in the country. The lives in the city is not much different from Taiwan's city lifestyle. For our holiday we go to countryside to enjoy the wild nature and relax. Mongolia is a country with so many uniqueness like blending both modernization and nomad lifestyle and having Western and Eastern culture.

## **Life in Taiwan**

Everything in Taiwan was so new for me to meet new culture, tradition, language, weather and environment, so on. Especially for being as international student to join many activities with another foreign students such as traveling or, Taiwan host family and learning Chinese is so interesting for me. And also make friends with Taiwanese and international students to share own culture, foods, knowledge is so interesting.

Taiwanese people are very friendly, helpful. I am very like that comfortable weather, environment, people, foods and my university In Taiwan.

- Taiwanese usually eat out and very seldom they cook at home, especially in some special days or holiday / I think

But Mongolians everyday cook at home. Very seldom we skip that cooking time to eat out :) specially in holiday :)

- Most foods taste sweet for me in Taiwan, even meat.:p And drinks, tea.

But Mongolians food, tea, everything taste is salty. We never mix sugar with food or tea. Only candy or cookies are sweet there :)

- Climate very different. Taiwan is so humid and hot climate country.

Mongolia is so dry and windy. Summer period only for 3 months and +20 to +30 degree. but winter start from November till March /around -20 to -30 degree/. I feel so comfortable in school period in Taiwan, but have not experienced with summer :).

- Mongolian population much less than Taiwan. Only 3 million people there. But half of population /1.5 million/ live in capital city as crowded. My city is not big and having problems in daily life such as traffic jam, parking place. Here is nothing difficult to adapt for me in Taiwan.

- Environmental difference is - NCHU has so comfortable and beautiful environment with many kind of trees to stay. But there is not so many trees in my city. Only can see beautiful nature in the countryside for 3 months in summer.

## **Future**

After graduated, I would like to stay more in Taiwan for work at least for 2 years to get working experience in a foreign country.