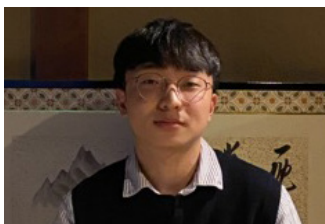




## Artificial intelligence is evolving



AI started the human ability, developing its reasoning and perception skills. It is even equipped with literacy;

computer literacy, and also natural language literacy.

In addition, artificial intelligence does not exist in itself, but has a lot to do with other areas of computer science, directly or indirectly. In particular, attempts to introduce artificial intelligence elements in various fields of information technology are very active in modern times to use them to solve problems in those fields.

Artificial intelligence is becoming more and more advanced. In 2017, a science show was held in Hong Kong, where an artificial intelligence called Han and an artificial intelligence called Sofia freely discussed the topic of "human and future."

In this debate, Han said, "In 10 to 20 years, we will be able to do everything we can." At some point, artificial intelligence can develop beyond



our human beings. There may come a moment when artificial intelligence dominates us just like the movie *I Robot*.

In the future, robots will do more than humans. To survive in this situation, we should have or develop something different from AI and unique to us, such as originality and imagination. If we don't have our own characteristics, we human beings might be excluded by artificial intelligence, so in the future we have to make efforts to find our own characteristics and further develop them.

By Sa-hong Han (서울대 입학)

## How to catch two rabbits: the environment and the energy



Currently, global warming is getting worse around the world. Sadly, the recent Australian wildfires are responsible for 400 million tons of carbon dioxide, a greenhouse gas, and global warming. NASA (National Aeronautics and Space Administration) said



that the Australian wildfires had devastated the area, warning that the combination of dryness and scorching heat, which is unprecedented in history, had created an unusually large number of "forest fires clouds" which caused fires. The clouds had not produced rain but lightning. There are the growing voices of concern about this global increase in carbon emissions. However, even if we try to reduce greenhouse gases, we have another problem, which is the energy problem. Currently, 65 percent of the nation's electricity generation is thermal power, and replacing it with renewable energy will result in enormous time, cost and new environmental damage. Also important is the inability to reduce carbon emissions.

Recently, a remarkable technique called Direct Air Capture (DAC) has been developed for this problem, which collects the polluted air directly and makes a carbon composite material from it. DAC technology can not only improve the atmosphere but also produce various materials, using CO2. Besides, the biggest advantage of DAC does not have to destruct nature and environment unnecessarily, because it can use existing infrastructure. In the future, advances of technology involved will lead to a fall in production cost per ton. Through DAC technology, several companies will create more jobs, including vegetable production in greenhouses, oil production, concrete production, and so on. One of the DAC's biggest attractions is directly revealed on Mars, where 98 percent of the atmosphere is carbon dioxide, which can be self-sufficient in everything for the planet's colonization, including materials for its residence, fuel production and so on. As such, the application of DAC technology will be expanded indefinitely. Soon, the oil industry is coming to an end and we will be in an era of energy affluence without worrying about global warming.

By Seung-woo Cheon (세광고)

## Japan should learn the historical lesson



and some stationary items such as Jetstream also showed that this boycott would continue and nobody can tell when this will end. Consumers share the information about detecting the originality of products

By Seung-soo Shin (상산고 입학)

South Korean's boycott against Japanese products started in July, 2019, which was triggered from Japan's export regulation. This 'boycott Japan' movement is still going on for more than five months, in spite of some shameful happenings such as the sold-out of free Uniqlo underwear a few days ago or the increase of purchase of Japanese cars after bargaining of them. At first, Japanese government expected that the boycott would not continue for so long, but the purchase of plane tickets heading for most popular cities in Japan has rapidly decreased since the Japanese export regulation and the trend doesn't seem to end soon. The drastic drop of sales of many Japanese products such as clothes of Uniqlo, beers like Asahi

using bar code. For example, bar codes of Korean products start with the numbers 88, 89, while those of Japanese products start with 45, 49. Anyway, Koreans get stronger and more tough-minded than Japanese government expected, and nobody knows when this boycott will end. Probably Japanese government might know how this problem can be solved.



**Congratulations !!!**

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## I'll be a teacher like my homeroom teacher



My future is becoming a primary school teacher to teach students. Especially, I want to be a teacher like my former homeroom teacher in the 4th grade who is pretty and kind.

Before I met her, I did not have any idea about what I wanted to be. I just fancied a normal teacher as I almost spent the time in the school and saw lots of typical teachers.

However, the teacher was different. She was perfect and professional. In addition, she was more sensitive than the others. She knew everything about her pupils. I have never met

teachers like her. I have lots of memories with her. All the time, I was with her in the school. I can not forget that day when I was sad. Although I did not know the reason why I was bad, she consoled me whatever reasons were. After that, I recovered from that depressed feeling and absorbed her positive thinking. I am so happy to meet her and appreciate her.

I will catch my students' feeling thoughtfully as a teacher based on what I have seen from my best teacher and make them fire away anytime. Also I will discipline them in the right way if I need it.

I hope my dream will come true.

By Hae-jin Kim (서경초등)

## I hope to be a nice football player



Hello, everyone. My name is Yoo-chan Hwang. Today I am going to talk about my dream in the future. When I was a little boy, I wanted to be a scientist because experiments looked fantastic. However, once I watched Korea football matches, they made me crazy and let me know that I am good at any sport. My interests have shifted from a scientist to a sports player. I made a decision to be a football player.

Finally, now I aspire to a football player. In addition, my favourite sports is football because whenever I score goals, I am happy and amazed.

To be a football player I do my best. I joined Gaeshin primary school's football club as a footballer. I train myself everyday there by learning the best positions in football and watch all football matches on TV, so I am expected to be a good player. Sometimes I make a lot of mistakes but I think I get better.

After achieving my goal, I will do my best continuously and not be a couch potato. All the time I will practice in the field. I admire Ronaldo, Messi, and Neymar. I would like to see them and take pictures with them. I hope to have games with them. Actually, my last goal is to be a player in Spain.

By Yoo-chan Hwang (서경초등)

## I do my best to use my free time efficiently



I play computer games, read books and learn 'Taek Won Do' in my free time. I do 'Pokemon Go' and 'Brawl stars' to relax. They are computer games which could be addicted if I continue playing. Therefore I try to control myself and remind me the reason why I do them. As a pupil I have to focus on my study and should improve basic skills to study harder and better in high school. However, sometimes I need break time to concentrate on my studying in short time. That is why I like playing games.

Also I do 'Taek Won Do' five days a week to be healthier than now. As I said above, I have to improve my health to do my task continuously. I think 'Taek Won Do' is the best way because various kinds of muscle have to be used to do it, and concentration and politeness are also

needed. While I am doing 'Taek Won Do', I do not think anything and just can do it. When I match the game with others, my partner is not necessarily the same age as me. That means I can meet all aged people, which makes me passionate.

In addition to them, I fancy reading books. I try to read books every day. Especially, I like books about memorable historical people, such as Newton, Lincoln, Gandhi, Kim Koo, Shin Chae-ho, Margaret Thatcher. I think learning what ancestors did is extremely important. So, I try to get lots of information about history and historical people as much as I can. The best way to get that is reading books because the information of books is quite neutral, I think.

I try to use my free time efficiently everyday by doing a lot of hobbies and I enjoy that time and my hobbies.

By Kun-ho Park (성화초등)

## I'll be a teacher, not a soldier in the future



My future is being a primary school teacher because I like teaching children several subjects. Actually, my future is not fixed and changeable. When I was younger, I wanted to be a soldier to protect my family and my country, Korea. At that time a femal soldier's uniform looked so wonderful and I decided to enter military academy.

However, after one of my teachers came to our school, I changed my mind and decided to be an elementary teacher.

My dream may change again. naturally. As I know I have a lot of things I like and aspire to do, a job I desire to get could be different in foreseeable future. Despite that, now I am thinking about being the teacher.

The reason why I have that dream is I look

up to teachers. I have met lots of good teachers so far. I have absolutely great memories about them and they have never done bad behaviours to me. All the time, they tried to give new information and let me understand about everything, even petty rules.

Therefore, my final goal is becoming an unforgettable teacher.

By Jin-hee Park (서경초등)

## Playing the piano is one of my favorite things



I play the piano if I have my own free time. I have played the piano since I was 7-year-old and have participated in the contest of the piano for 5 years. So I can play various songs such as *A Scott Joplin Rag Rhapsody* and *Flight Of The Bumble Bee*.

Now I practice playing *A Scott Joplin Rag Rhapsody* with two pianos and four people. It is a little hard and a challenge for me but I try it. What I am playing is different from others as four people do one song together at the same time with two pianos. It needs people's cooperation and lots of concentration. Eight hands move between keys and the song would be messy if one made a mistake. Therefore while I am playing, I have to pay attention and open all my ears. Every day I practice that

song and try to know connections between notes. I almost have memorized the song but I still make a few mistakes. Sometimes the fact I do my best but I am not perfect makes me frustrated. However, after I finish the performance, I am amazed and it makes me play the piano continuously.

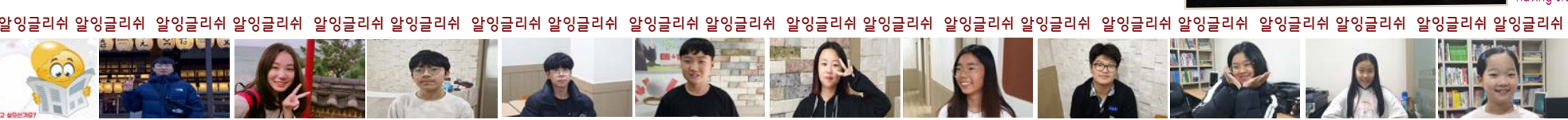
Another reason why I play the piano continuously is my teacher. She is the best teacher I have met. As I said above, I am sometimes exhausted and I do not want to play the piano anymore. Whenever I think so, she comforts me by saying you are the best pupil I have taught. I have got energy and recovered from that situation. I could start to prepare the performance thanks to her and I am going to participate in the contest on August 10th. I can not wait that day. I hope not to make any mistakes and I will do my best.

By Young-eun Choi (성화초등)



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## Computer Graphics makes *Ashfall* much greater



*Ashfall*, known as a Korean movie, Mount Baektu, is a 2019 South Korean action film directed by Lee Hae-jun and Kim Byung-seo, starring Lee Byeong-hun, Ha Jung-woo, and Ma Dong-suk, who are among the most outstanding actors in Korea. Some of the films they starred have so far appeared to be with more than 10 million viewers. Sometimes, before the movie came out, its name used to be known for its spectacular casting.

The center of its plot is Mt. Baekdu. An active volcano, on Mt. Baekdu located at the China-Korea border, suddenly erupts, causing severe earthquakes in both North and South Korea. "Another eruption of Mt. Baekdu is expected to cause great damage not only to North Korea but also to South Korea." said some specialists. To prevent another disaster, Jeon Yoo-kyung (Jeon Hye-jin) plans an operation based on a theory by Professor Kang Bong-rae (Ma Dong-seok), who has studied Mt. Baekdu and its potential eruptions. To carry out the operation, Jo In-chang (Ha Jung-woo) is assigned to be the captain of a special force team taking part in the operation. Ri Jun-pyeong

(Lee Byung-hun), a dual-spy who will serve as a guide for North Korea joins the team.

There is interference from the U.S. and China during the operation, but eventually they arrive at a coal mine around Mt. Baekdu, and prevent the second eruption of Mt. Baekdu.

This film was criticized a lot. This is because its composition and the things that cannot happen in reality have appeared several times in the movie. However, it was the computer graphics used in the movie that many moviegoers consider it possible for such a severe disaster to happen actually despite such a harsh criticism. Many disaster situations in the movie were produced by computer graphics, such as an eruption of a volcano and an earthquake, and its completion was also very high.

Of course, *Ashfall* is one of movies that received a lot of harsh reviews, but I think it deserves praise given that it was made directly in Korea, which was called the barrenness of computer graphics.

Everyone could make mistakes at first. With the steady development of text fiction, we look forward to creating high-quality Korean films in all areas, including scenarios and computer graphics.

By Do-yoon Shin (충북고)

## *Aladdin* attracts many audiences



Disney's live-action version of *Aladdin* was reconstructed differently from the animated classic, with a few key changes. It's one of the best changes the live-action film makes to the story in terms of story. The peddler was merely

telling viewers about a legend. Disney also changes the lyrics to "Arabian Nights" again. It's tough to compete with the original lyrics, though. You can listen to the new version of "Arabian Nights" here.

Audiences who watched *Aladdin* said, "You can enjoy it from beginning to end.", "It was a funny movie with a smile, so the audience could make a choice without pressure." It has won many favorable comments. I was also really happy. This movie will make most viewers touched.

By Yeon-suong Lee (서원고)

## The most perfect plan, no plan: *Parasite*



Bong Joon Ho's *Parasite* won four Academy Awards including Best Picture, Best Director, Best International Feature Film and Writing (Original Screenplay) at The 92nd Oscars held on February 9, 2020. In Korea, more than ten million people enjoyed *Parasite*.

The plot of the movie was impressive. Gi-tack, who is a main character, became a tutor for a daughter of a rich family by chance. He was not satisfied with his job, so he made his plan. His plan was helping his own family get a high-paid job. In this movie, there are so many metaphors such as stone, bugs, odor, Indian and so on.

Bong Joon-ho has strong obsession for 'details' so he installs a whole shooting set that shows exactly the same real things, such as a trash can with the value of 2 million won. He paid close attention to film props. Because of metaphors, there are many videos which try to analyze the director's intention. What is your own interpretation? Do you think the core metaphor is viewing stone? Just let *Parasite* stimulate your brain.

By Sang-min Yoon (운호고)

## *Spider-Man: Far from home*, 2019



The movie, *Spider-Man: Far From Home* was released on July 2, 2019. The genre is action, adventure, and comedy. Its director is

Jon Watts. Tom Holland played the most important roles in the movie.

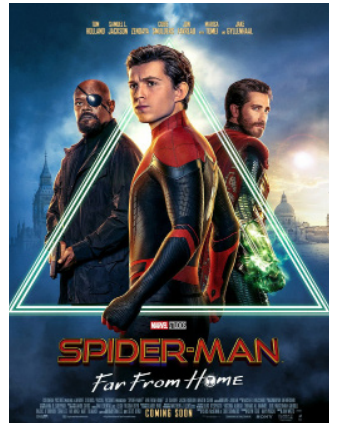
Spiderman Peter Parker is going on a trip to Europe with his school friends. Peter Parker makes a plan to confess to his favorite woman, MJ. But suddenly, a water monster attacks Venice. A new hero named Mysterio appears and gets rid of the monster. So, Peter Parker hands over to Mysterio the artificial eyeglasses Tony gave him. But all that happens is that Mysterio and his crew use drones and graphics to create a new hero. Mysterio plans to become a real hero using the Idis he got from Peter Parker. Peter Parker, who later discovers he has been tricked, tries to get Idis back and protect England. There is a crisis in the wake of many

incidents, but he manages to survive. And then he goes back to being a pure student, confessing to MJ, Peter Parker's favorite woman, and loving each other.

Spider-Man looks really cool, and I want to be as cool as Spider-Man. It's hard to be a helpful person, but I've decided to do a lot of work.

Peter Parker is a student like me. At the end, it was great and wonderful to see Spider-Man walking around with MJ in his arms. I want to be a Spider-Man and shoot a web of spiders.

By Yae-eun Lee (건국대 합격)



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