**BRUNING GLASS**

My ideal job will remain the same because I think the ideal one is what I truly like and love to do regardless the salary, the position and something realistic else. I chose this one to be my ideal job is only based on what I’m really interested in, and I think I would enjoy it, and I suggest this kind of decision is not very common in the real life.(J)

**Group Reflection**

All work went well at last, and we did good job on cooperating with five strange guys, and this team work made us friends, so it is great, however, I suggest we would do better on time management and communication, so we would complete this team work far more earlier than this time. The thing that surprises me might be my understanding on those IT technologies, means I learn some more from them. The thing I learn from the group is about how to help each other and how to work together, and of course the GitHub, as a tool we used in this assignment, which helped us a lot.

The tittles of the ideal jobs are basically software programmer and engineer. The demand of software programmers is large at present, because there are always coding jobs to do.

There are several skills within the required skill set, and they can be divided into IT-specific skills and general skills. For the IT-specific skills, the occupations generally require the ability of programming languages like HTML, JavaScript. For the general skills on the other hand, one could be required to be good at solving problems, some of which could cause by the disadvantages of the product, the codes more specifically, and could also cause by the incorrect and improper using by the users. Therefore, he could be also asked to be a good listener in order to understand the requirements from costumers of all walks of the society. Furthermore as a programmer, he is supposed to be creative and he would not be limited by the reality and the technology, which for example, even the Bill Gates did not predict how the personal computers would be twenty years ago. Also, it could be possible to produce more functionalized and demanded programs and products only when the programmers be more creative. The IT-specific skills are ranked according to the demand of the employers, and the more functional skills like master of the JavaScript are more needed than less functional skills like C++. As for the general skills, it could be firstly the ability of solving problems, and then the ability of prediction.

Software Developer, electrical engineer,

Software Engineering, Programmer

Name: Jiawei “Joseph” Cao, S3715210, Chinese, now major in Information Technology, interested in enjoying music and reading. For IT terms, I’m interested in Cybersecurity and Artificial Intelligent, and looking forward to learn some on programming.

Autonomous vehicles

Autonomous vehicle is a kind of highly intelligent robots that can drive cars without human driver, which depends on cameras, radars , GPS and computers. More specifically speaking, one autonomous vehicle knows what is happening on road around it by cameras and monitors set all around the vehicle, which stand instead of eyes of human drivers, and maps downloaded in computers and the GPS to plan and guide the route. And the computer, its job is to basically judge and decide what to do next, the autonomous vehicle contains several kinds of technologies, for example, the AI technology and the automatic control. The autonomous vehicle is now immature, for the system and technologies still can be developed, and for this moment, the autonomous vehicle only can drive safely on laboratory environment, which means in real usage, there might be some undiscovered problem. However the scientists did make some achievements. In China, experts from National University of Defense Technology tested their product in Jul. 2011, a 286 kilometers testament from Changsha to Wuhan. In United States, the prototype has made more achievements. In next few years, it is not like to see the autonomous vehicle become practical. This is because that some key algorithms seems to be unsolved, and those algorithms could affect the future of autonomous vehicles.

The autonomous vehicles can make a significant impact once it is applicable, for national security terms, the transportation troops are likely to use this product to replace the well-trained drivers, therefore they will be trained as combat personals instead of logistics personals. Furthermore, the AI technology and other technologies could also be used on other products like cruiser missiles, to make it hit targets more accurately. For public usage, public transportations like bus, trams, undergrounds and taxis may change to autonomous driving, and private vehicles could be more safely, there might be fewer traffic accidents. But of course, there might be less human drivers, just like the steamers replaced workers, machines replacing labors, drivers now will lose their jobs. And relatively the drivers’ schools are about to close.

For my daily life, the autonomous vehicles and other intelligent products will make my life more comfortable and much easier, I will worry about fewer things and focus on my job that machines cannot do.