Hello, (interviewee's name), I am qiyao yin, I am studying at the University of Southampton, majoring in MSc computer science, most of modules I chose are about machine learning and deep learning, and now, I am doing my summer project, actually, I nearly finished my summer project and I am doing the final dissertation right now.

the topic of the project is about dynamic routing optimisations, (it is like in a logistics pick-up scenario, there are a lot customers having cargoes need to be picked up and my job is using reinforcement learning to organise vehicles in order to pick all cargoes and minimise the distance travelled by all vehicles.),

Before coming to the University of Southampton, I majored in software engineering as my bachelor degree at the Hangzhou normal university in china Hangzhou. And I have two main profession related experiences during my undergraduate period. First is as a back end developer in the supervisor's team to develop a visual programming teaching platform, we were using Java as the development language and SQLServer as the database (my main job was manage and maintain user coding files). And my second internship was as a testing engineer in a robotics company, the main job was testing the tracking system of drones (unmanned aerial vehicles).

This internship was like a motivation for me, and the interest in learning more knowledge of computer vision has grown in my mind so I want to pursue an MSc degree in deep learning area. This is the reason why I chose all machine learning and deep learning related modules.

Why software engineer? Software engineer and deep learning which one is more interest?

This goes back the second year of the high school, at that year my cousin got a front end software engineer job and he told me maybe I can try front end programming because it is the most easiest area for newbie to get into the software development area and it is also very interesting cauz we can create a lot things (toy projects)09[just using front end language and this can show your work directly from browsers. Thus, I learnt html, css and js. And I also developed some local small games using these three languages. Like 2048 which was very popular during those years. I felt personal fulfillment in developing some works, so from that time, I think maybe software engineering is a good major for me to learn in the university. So this is the main reason why I chose software engineering as my undergraduate degree. Of course, and during the undergraduate period, I also did a lot of personal small projects like my personal website (right now it is the third version of my website), a web based music app and I rebuild 2048 game using vue.js and upload this project to npm package manager platform, and of course a lot coursework projects using different languages. I like using my problem solving skills in doing these creative things and I also feel fulfillment in developing projects.

The motivation of pursuing msc computer science which I mentioned previously because of the testing internship in a robotics company. And right now, it seems like I stand in a cross road, I have to choose between machine learning area or software engineering area, and the reason of choosing software engineering is because I think I have to pursue like a phd degree in deep learning area to gain deeper knowledge in the deep learning and can get a ideal job in the industry, but I do not have time or funds to do this , so I choose software engineering posisiton for my work life. And my ieal future life is like treating software engineering as the job as doing deep leanring things as one of my hobbies, so I can do these things after work.

Why software engineer in Bloomberg? Why Bloomberg?

// I am interested in financial area, so I prefer to join a fintech companies.

1. big name, international company and the best company in provide, process, business and financial data and news. a great working environment, well-paid, a lot of talented people, engineers here, handle different projects and meet variants of complex problems, excited place for me to work.

2. Bloomberg culture: transparency, equality, innovation, collaboration culture, in these kinds of environment, inspire employees to work together to invent new things and learn more, good for the development of employees.

3. Training programme in both company side and team side, know more about the company about what companies do and about the project each teams does, based on the interests to choose the team after training programme.

4. Work in a company, not just work for this company, but more I need to find something that can achieve my individual value, and Bloomberg offers products to companies and universities which helps a lot people in finance, and work in Bloomberg can produce products / solutions to hit the ground impact real work so working can make me help others can let me use my knowledge and skills to improve the financial market. I will feel fulfilment working here.

Your offer?

I just applied Bloomberg and optivar these two companies, a month ago. I am interested in financial area. When I started applying new grad software engineer, just few companies have new grad positions and I need to find the company that has a solid reason for me to work in the Uk where I have to stay away from my families. And optivar does not offer working visa in London position and hr told me I can relocate to netherland but I do not want go there because I do not understand dutch there will be some trouble living there so I prefer staying in the uk, so I cancel all interviews after the first hr round. Right not, I am doing some tech company in china as a backup if I cannot get a ideal job here. I have not got any offer right now.

My pros and cons?

% I like taking on the challenges, learn new things, prompt myself.

I am very good at self study and I am very efficient in doing works. The most important non profession related capability what 5 year college life taught me is self learning / self study. For a new area, I can quickly learn it and apply it. (for example, the summer project). I will struct / organize all things before doing it. I will make plan every day.

This leads to one of my weakness, I am not very good at hard-memory. I can study, remember logic things very quickly, like the prefession related knowledge which has logic inside them. But like language, what I need to do next, what I need to do next day, this kind of things without logic but I need to remember it. Then I will mess them up. So I will write all works that I need to do every day and its deadline. So there are two stickes put on the left of my computer screen to record every thing I need to do, also for that short-term thigns, like I have to finish it within an hour, then I will write it on the todo list in my phone.

Ideal work environment?

Everyone has own ideals and share ideals and get the optimal ideals/ solutions and collaboratively, effectively work towards this goal. And Bloomberg has this collaboration, fast-paced environment, so working here is excited.

What did you like most about the job description?

High-energy fast-paced environment, wanna software engineer with diversity of thought and perspective and having passion into the job

What do you know about our company?

Bloomberg terminal, help vendors, companies and have a huge impact on the business market. News, useful information to not only individuals but also companies.

Where do you see yourself in five years future?

Gain the deep knowledge of not only software engineering area, but financial area, deep learning area, and work with teammates to create more productive projects. Also, I wish I can gain advancement to a senior position. Helping other new grads to develop their knowledge… Good for the development of the team.

What motivates you?

From the perspective of the reality, I am motivated by the well-paid job, cauz one of my whole life dream is I wanna go anywhere in the world, so this need me to work hard for money, also I need money to raise my families years later.

From the spirit of me. Every time I fixed a bug, every time I develop a new project, and in Bloomberg, I have a lot of chance to make a ground project, every time I compelted these things, I felt fulfilment which makes me happy, and this motivated me both work hard and to be a software engineer.

What's more important to you: work or money?

Money is for living, for the reality. Work is a path for making money, but it also is the path for personal achievement, for happiness, for dream, etc… so money is a important part of the work and also motivates us to work.

What are your salary expectations?

More than 50k annual salary is my salary expectation. Cauz it should more than average annual salary of tech compaies in china and also should affort the living cost. So I will consider work in the London (stay away from my family) when the salary is more than 50k.

How well can you handle stress and pressure?

When I am stressful and feel pressure, like recent days, I need to do some interviews and also I have to do my summer project and dissertation, I would like to work around in the campus, do exercise like paying badmintons with friends or taking 20mins to watch stand-up comedy on youtube or pay phone games. This can really realise my pressure and after these activies, I will feel better and improve my efficiency in doing my work. Watching tv series that do not brain to think the logic and storyline can put me to sleep quickly.

What are the most important qualities needed when working as part of a team?

Collaborative is very important, the power of an united team absolutely is bigger than the power of a person, everyone in a team having a same goal and work together towards this goal which will be very effective. And everyone in a team also should table responsibility to help others which will upgrade the team. Slowing down the work process.

How do you feel about working overtime or unsociable hours?

Less than 5 times working overtime in a month which is acceptable, cauz I think work-life is also very important, I need extra time do my own things or relax which is helpful for the working quality. Working overtime for a long time will consume employees' spirits. It is not very good for producing quality products.

How do you respond to criticism and feedback?

Why should we hire you?

I gained a lot of professional knowledge from universities with 4 year software engineering studies and one year machine learning area postgraduate studies. And I am good at self-learning, I have passion for working for Bloomberg, and I feel fulfillment working in Bloomberg to develop products, I am good at solving problems and effective. qualities

Other people describe you:

Work carefully and rigorously, willing to help people

How much I liked the interview process.

I think it is pretty nice / well organised, the first and second round focuses on the algorithms, data structure, etc. the third round focuses on the system design, this is pretty hard for new grad, but this can get my perspective of a system and problem-solving skills. Interviewers are quite nice, I got some helps from them, yeah, the whole interviews are quite helpful. and the recruiter is high-efficient, I got the feedback next day.

Scratch:

Lots of action blocks on the left side of the screen, and users can drag these blocks into coding area, and these blocks can connect together in the sequence to make some actions, to make some sounds, etc. and at the right top screen has a stage area, which has a object to perform these actions, sounds. Seems like an animation.

Main functionality is to train/raise teachers. There are a lot of charity groups in our university to extend their teaching experience.

Platform to help students who want to start up a company in the university, this project is directed by the principal of the university, I had many courses to do at that time, so I leave teams after three months. After I trained new teammates.

Scene recognition

The Coursework release date was in the middle of the easter holiday.
The lecture has all data (accuracy on the test set) from previous students.
Collaboration is very important, only me cannot achieve this result. Everyone should has the same target and work collaboratively towards this target.
We cannot give up, and should think different ways in doing same things. Diversity of thought is really important. Maybe a simple way has better result.

Test engineering intern

There is a box around the person.

Reproduction of the autoNovel model

Diverse community, world's most interesting and important technical challenges

Impactful solutions to complex, real-world problems

Immediate impact on global markets

Training Programm: ins and outs of technology stack, high-energy and fast-paced environment, contains lectures, labs and group projects. Pros on the Bloomberg Terminal, learn database systems, network communication, real-time processing, build UIs. Hit the ground running, strong network of new friends and colleagues from a range off backgrounds. Global team of engineers with real passion for both innovating and solving problems.

Collaborative, problem solver

Proud of diverse and open culture, value diversity of thought and perspective in every form.

Real passion for writing reusable, performant solutions to complex problems. Impact thousands of power users around the world. See things differently, find solutions and collaborate instinctively.