Bias for action:

1. Tell me about a time you had to quickly adjust your work priorities to meet changing demands.

SharkNinja electrical firmware engineer role. Sharkninja is a fast-paced consumer product company that requires both design and prototype update. I need to constantly switch between designing a new prototype and finding errors in current production units to be fixed. This helped me learn how to adapt in a fast-paced environment and employ different methodology.

Teamwork and Interpersonal Skills:

2. What did you do when you needed to motivate a group of individuals?

APOD website mysql was not working in live server. Data not registering. So I motivated them by reminding them about our deadlines and our final outcome. We used our local server for testing inputs and we create another server using another network. Worked well in the end.

3. Give me an example of a time you faced a conflict while working on a team. How did you handle that?

For the java animator project in my resume, I was working with a partner, who is also my friend. At the time, we are doing it for object oriented design class. The project was to be done with the model view controller design pattern but we had the freedom to design the classes. We had conflict on how to group classes and their actions. I suggested we should make a class for each shape, while each shape stores a list of time and actions. However, my partner suggested we should store shapes and actions within a time class. Each had its advantage and disadvantage.

4. The last time you had to apologize to someone.

SharkNinja robot vacuum dock prototype. Doubted the software designed by coworker. Learned how to trust other people’s work.

5. Describe a long-term project that you managed. How did you keep everything moving along in a timely manner?

During my coop at Medica Corporation. I was in charge to transfer the firmware from old firmware chip into a new firmware chip. I had to

6. Describe a situation when you negotiated with others in your organization to reach an agreement.

Same as 3

Earn Trust:

7. Tell me about a time when you received negative feedback from your manager. How did you respond?

SharkNinja, I was going around asking questions without really going into the problems myself.

Problem Solving / Dive Deep:

8. Tell me about a time when you missed an obvious solution to a problem.

At first, I was researching into building my own calendar. I was thinking it’s a simple thing. However, it proved to be difficult because I have to handle past months, years.

9. A time when you faced a problem that had multiple possible solutions

Same as above

Strategy & Decision Making:

10. Tell me about a time when you were 75% through a project, & you had to pivot strategy

Sharkninja fast paced design. However, the chip needs to be flipped so hardware design can be smoother and most of my software code needs to be changed.

11. Tell me about a time you had to deal with ambiguity

Medica corporation blood analyzer project. I started on my own, without anyone setting path. All I know is the chip is similar but has couple of differences. So I set out to read documentation.

12. Tell me about the toughest decision you've had to make in the past six months

Decision to finish my studies this semester or wait for another semester. I decided to own up to my challenges and face them directly.

Learn & Be Curious:

13. What’s the most innovative new idea that you have implemented?

Having custom icons for my calendar view. User can directly get the image using url

Ownership:

14. Tell me about a time you stepped up into a leadership role.

Answer for 2. APOD db

15. Describe a time when you sacrificed short term goals for long term success.

16. Tell me about a time when you had to push back to HQ or challenged a decision

Customer Obsession:

17. We all deal with difficult customers from time to time. Tell me about a challenging client-facing situation and how you handled it.

Failure:

18. Tell me about a time when you were not able to meet a time commitment. What prevented you from meeting it? What was the outcome and what did you learn from it?

During my first internship, I was doing company work whilst taking a online writing course for college credit and studying GRE. My attention was separated and I didn’t have a clear focus on what I want to do. I quickly realized something was wrong because my work rate started to drop. I noticed I don’t have enough progress to report to my manager at the end of the day. So I learned that I should set my priorities to the thing I care the most about, which is work.

19. Tell me about a time you failed and what you learned from it.

I define failure as to not meeting expectation of others or my own. During my full stack internship with Glimmer441, I did not start with the experience of Angular and Firebase. After a few weeks of training, I got to learn those skills but the work I showcase to my mentor are not very high quality. In the front end, buttons are placed weirdly and not in groups. I realized I need to put in more time to learn Angular. I did so by looking at the codebase of the web app, and trying to learn how other people did it.

General:

20. What's your strength / weakness

My strength is I like to focus on one project until I can get it done. I often want to focus on the details that can elevate my project and make my project end up with high standards. For example, I was working on the .

Some might say focusing too much on finer details is a weakness. However, I know the right time to stop digging into details. Either through time constraint or just by checking to make sure my long term goals are not delayed by detail seeking.

21. Tell me about yourself

Hello my name is Jie Jack Fan. I am second year computer science master student from University of Virginia. I am interested in becoming a software developer. I was a full stack developer for Glimmer441, where I helped design new feature of a website. I did two coops when I was an undergraduate, one was electrical engineer for SharkNinja and the other was firmware engineer for medica corporation. Although my background was in computer engineering realm, I took a variety of computer science classes in grad and undergrad. I have also done a lot of projects related to website and applications. I am proficient with Java and javascript.

22. Why Amazon

I am interested in working at Amazon Robotics because I want to help this division develop new business opportunities in the realm of robotics. This topic excites me on a personal and professional level. I was drawn to this role because it is a mixture of my background in consumer robotics and current study of computer science.

More broadly, I am attracted to Amazon’s culture of diving deep and taking ownership. I see a lot of value in taking projects seriously and trying to find clever ways to improve the result as a team.

I think Amazon is at a unique and interesting place in the market, and the resources Amazon has makes it possible to explore ideas with a good chance of success. Robotics is huge right now, but Amazon offers tools and metrics that makes it unique, as compared to other big names, which draws me to the company.

Questions to ask interviewer

1. Can you tell me more about the day to day responsibility of a sde engineer?
2. What are the biggest opportunities facing the department right now?
3. Where do you think the company is headed for the next 5 years?
4. What do you like best about working for this company?