1. When did you take a risk, make a mistake or fail? How did you respond?
   1. LP’s:
   2. Situation –
   3. Task –
   4. Action –
   5. Response –
2. Tell me about a time you failed. How did you deal with the situation?
   1. LP’s:
   2. Situation –
   3. Task –
   4. Action –
   5. Response –
3. Tell me about a time you had a conflict at work.
   1. LP’s:
   2. Situation –
   3. Task –
   4. Action –
   5. Response –
4. Tell me about a time when you took the lead on a difficult project
   1. LP’s: Ownership, Insist on the Highest Standards, Dive Deep
   2. Situation –
   3. Task –
   4. Action –
   5. Response –
5. Tell me about a time when you received negative feedback from your manager. How did you respond?
   1. LP’s:
   2. Situation –
   3. Task –
   4. Action –
   5. Response –
6. How would you handle a project that is expected to be behind schedule
   1. LP’s:
   2. Situation –
   3. Task –
   4. Action –
   5. Response –
7. Describe a time when you received criticism and how you handled it
   1. LP’s:
   2. Situation –
   3. Task –
   4. Action –
   5. Response –
8. Tell me about a time you recovered from a difficult situation
   1. LP’s:
   2. Situation –
   3. Task –
   4. Action –
   5. Response –
9. Describe the most challenging project you've worked on so far
   1. LP’s:
   2. Situation –
   3. Task –
   4. Action –
   5. Response –
10. What is the most difficult decision you ever took in software
    1. LP’s:
    2. Situation –
    3. Task –
    4. Action –
    5. Response –
11. Tell me about a time you had to make a decision under pressure to meet a deadline
    1. LP’s: Bias for Action, Ownership
    2. Situation – Robot Competition
    3. Task – Implemented a better version of our pedestrian detection that worked smoother, and was faster. However, it caused a fatal error.
    4. Action – This implementation was last minute, so we could only test it a couple times. The error seemed flukey as it only occurred once (small sample size). We decided that the error was a fluke, and decided to go with the new implementation.
    5. Response – The robot committed the fatal error during the competition. We had opted for the option that would provide us with the best potential response, and didn’t properly assess the risks involved.
12. Tell me about a time when you had to choose between technologies for a project
    1. LP’s:
    2. Situation –
    3. Task –
    4. Action –
    5. Response –
13. Tell me about a time when you had to make a judgement call without having time to refer to a manager/supervisor
    1. LP’s:
    2. Situation –
    3. Task –
    4. Action –
    5. Response –
14. Give me an example where you strongly held an opinion and you were the outlier
    1. LP’s: Agree to Disagree, Are right a lot
    2. Situation – Design team (been member for 1.5 years), first member then a subteam lead.
    3. Task – We had been having issues with the team, and I no longer found myself happy with the direction of the team. I no longer thought we were working in the spirit of the team.
    4. Action – I voiced my opinion clearly to both my fellow team leads and my captain during the next leadership meeting. I presented evidence from the project origins and referenced the member handbook and mission while doing so.
    5. Response – The fellow members were not pleased with my stance. They wanted to continue in the direction we were currently headed, I believe since we had committed so much time to the current direction. But I stood by my position, and urged them to reconsider. They did.
15. What is the most significant impact of your work inside a team
    1. LP’s:
    2. Situation –
    3. Task –
    4. Action –
    5. Response –
16. What is the best invention or idea you had in the past two years?
    1. LP’s: Innovate, Be right a lot
    2. Situation – Were developing a control algorithm for a ROS robot for a class project. The robot had to navigate through a track with traffic, and collect license plates while it did
    3. Task – License plate collection wasn’t working. Neural network was performing with abysmal accuracy, and we weren’t able to consistently provide it with good images during runtime
    4. Action – We first attempted to improve our CNN by feeding it with “fudged” data. While this improved general performance, it was extremely inconsistent. Instead, focused on improving the data presented to the CNN. First, improved our contour detection by recognizing that the whole screen needn’t be processed. Then, perspective shifted to improve the quality of the digits. Then, used otsu’s method to mask the letters, and finally used contour detection again to identify a bounding box of each letter. These letters were then blown up and cleaned up with a gaussian blur, producing perfect quality.
    5. Response – The new performance time was significantly better, as were the results. Training the CNN required a much smaller data set, and the data it was being given in runtime was near perfect. Performed with 98% accuracy.
17. Tell me about a time you exceeded your expectations
    1. LP’s:
    2. Situation –
    3. Task –
    4. Action –
    5. Response –
18. Describe a project that you are particularly proud of. How did it impact your company? What challenges did you encounter and how did you solve them?
    1. LP’s: Ownership, Invent and Simplify, Insist on the Highest Standard
    2. Situation – Previous co-op student had developed a .NET core application for resume generation. Had been throwing up errors as of late.
    3. Task – Tasked with fixing the issue (key point: was not expected to make any major changes)
    4. Action – Trouble shooting: Tried using the application myself, tested out different combinations, etc. and recorded error messages. Then, opened up the .NET core application and ran it through a debugger to find the problem statements. Noticed these were generally associated with the SQL database streams. Opened SQL and noticed it had to do with whitespace discrepancies (FIXED!).
    5. Response – I initially simply fixed the whitespace discrepancies in the SQL database to allow for a quick fix (BIAS for Action). Then, in the .NET application, I added code to ignore whitespace errors. I then added in proper error messages to allow for easier debugging in the future (Invent and Simplify, Insist on the Highest Standards)