

Interviews

Student Name

Due Date

1 Interview 1

Student Name:

Alex Rhodes

Interviewee Name:

Dr. Kulkarni

Interview Location:

Tolentine 408

Interview date and time:

April 3, 2023 at 3pm

Duration of interview:

10 minutes

Write at least 3 planned, open-ended questions to bring to your interview:

1. Question 1-What programming languages and frameworks would you recommend for this project?
2. Question 2-Do you know about the Bluetooth standard? Steps Involved in using it? Common challenges faced? Testing and Debugging?
3. Question 3-What advice would you give to a team working on this project with limited real world coding experience?

Notes

We talked about the steps needed to create something like we are thinking about doing. From the coding languages being different for each sensor it will be helpful to find documentation for each one. Most the time he said that each sensor will just feed the raw data and we will have to find the code to ingest that data into usable data. The conversation the switched to my next question about the Bluetooth protocol. I have not done anything with this yet so he gave me a good baseline to get started with that and places to find resources. Finally we got into our last question about organizing our work and using our time well. Since we are all new to real work applications of what we have been learning he really pushed time management. For example we could get a cheap 5 dollar sensor but have to put 20 hours of work to get it functional or we could get

the 100 dollar one that works instantly. Since our time is worth more than that price difference. Overall, I think this was a good interview and covered a lot even though I did not meet the 15 minutes minimum I got all the questions and follow ups answered.

Transcript

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Your interviews should be **at least** 15 minutes.

2 Interview 2

Student Name:

Alex Rhodes

Interviwee Name:

Jason Keeley

Interview Location:

CEER 009

Interview date and time:

April 12, 2023 1 PM

Duration of interview:

20 minutes

Write at least 3 planned, open-ended questions to bring to your interview:

1. Question 1-What are some of the most common issues you encounter when stick welding and how do you address them?
2. Question 2-In your experience what are the most important factors that contribute to successful stick welding and how do you optimize these factors?
3. Question 3-How do you currently track and document your stick welding processes and results? Are there any areas where you think improvements could be made?
4. Question 4-In what ways do you think our project could potentially improve the stick welding process. What specific features or capabilities would you like to see in a new welding solution?
5. Question 5-How important is welding quality and consistency in your work and how do you measure your success currently?

Notes

Take substantial notes on the interview. It may be helpful to organize the notes by your planned questions with nodes to follow-up questions that arise throughout the interview. You should include any follow-up questions you ask based on your planned questions. We starting this interview getting his take on the

challenges and issues that he faces when stick welding. He brought up a good point that there is variability in the condition of the stick itself and that can just ruin the weld. We have not thought of this before so it could be valuable to look into that. For the next question I asked him about the most important factors in welding. He told me to be prepared and plan ahead. This means knowing the welding material and the setting to put on the welder. Currently you have to use a website to get this info if it is unknown to you. This could easily be bought into the computer and our app. Another thing that he said was welds don't really get tracked or testing just gets send out currently. So with our real time feedback that should be enhanced greatly. For the final two questions he just reiterated what was said before and added some more context to it. The recorded part of the interview was only about 9 minutes but after I stopped we went around his machine shop on campus talking about some more ideas for another 10 minutes.

Transcript

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Your interview should be at least 15 minutes.