Task 1: Wiki-Familiarization

Alec Trela | Team D | Spring 2023

Question:

Look on the Wiki (https:\\roboticsknowledgebase.com) for a solution or aid for a problem you or your team are currently having. Describe the problem and what you searched for on the Wiki. If there is a solution, describe and cite it (minimum 2 sentences).

Answer:

One problem we are currently experiencing is inability to run our Raspberry Pi remotely from our personal laptop, using ROS. We are unsure about what the steps to ensure a proper connection are, as well as if there are limitations we should be aware of. There is an adjacent topic in, "Running ROS over Multiple Machines", but nothing that gives me the impression that it would be applicable for the RPi, since it has less compute than a traditional PC.

Question:

Identify at least one topic that is missing or needs improvement and that you would consider adding to or improving on the Wiki. This can be related to #1 if you didn't find a solution/aid. Identify the topic with a brief description (1 paragraph, minimum 4 sentences); you don't have to add the topic to the Wiki as part of this assignment.

Answer:

I would have liked to see more information relating to Raspberry Pi. Across the website, topics were more favorable to the Arduino for control & interfacing. If there was going to be a favoring towards the Arduino, I would have liked to see a comparison chart between Raspberry Pi and Arduino, and in what situations I may want choose to one over the other. In addition to this, perhaps a page related to different distributions of the RPi and Arduino, as I know they scale in size and capability. Perhaps a page explaining applications and capabilities of each would be helpful.

Question:

Identify and describe in a few sentences (minimum 4) one way in addition to #2 in which the Wiki can be improved. This could be another topic, the layout, the organization, the concept, the ease of navigation, etc.

Answer:

As a suggestion, it may be effective to have a more extensive overview document. Perhaps a document that would expand on each topic that's no more than two sentences long. The overview on the sidebar feels too condensed to know when something is worthwhile, while the sections

themselves are too technical given to communicate the *why* concisely. With this summary document, I could easily run through all topics in roughly five minutes without having to click on each subheading and read for five minutes. For me personally, it would help to increase the usability of the website. The titles alone are not telling enough of each section's worth, and taking the time to reach each section is not practical.