

Pepper Waiter HRI Project

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1 Introduction

Human Robot Interaction is the study of how one or more humans work with one robots in order to accomplish a goal. The Pepper Waiter project was devised to create such an interaction.

Pepper is a robot created by Softbank Robotics specifically to interact with people. It has tactile, visual, and audio sensors on its head to help a person convey information in a variety of ways. On top of that it is equipped with an android tablet on its "chest" that can be used for further interaction.

In this project we decided to create a program that allowed to use the Pepper in a bar or restaurant to take an order instead of a human. This idea came to us by thinking of the current global situation and how the less human-to-human contact there is, the better. As such we decided to create a way to adhere to the social distancing norms by removing interaction with a human waiter.

2 Inspiration and Research

For this projec
copy papers + parts of presentations ad justify them to the

3 Solution

talk about what we decided to do to solve the proposed problem

4 Implementation

libraries and code desription

5 Results

mini description of functionality

6 Conclusion

Conclusion