Talking Ben the Dog

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System Design and Implementation

- Built with Raspberry Pi, coded with Python and uses the OpenAI chatbot. Additional components include Microphone, speaker and RGB light.
- Our system prompt has the name of the voice assistant, the tone and way it responds, and some key specializations such as barking and being playful.

Background

Background: We joined this program to learn about Computer Science and Artificial Intelligence, additionally to study at UCI.
Team: Upcoming Sophomores at Segerstrom High School located in Santa Ana.

Ben, the Voice Assistant

- Ben is a talking dog who responds in a clear and robotic tone.
- It functions like any other voice assistant. It can also tell weather, time, news, order and buy products, turn on/off RGB lights, etc.
- Since he is a dog, he starts and ends with a woof and may get playful sometimes!

Other Work

- Trivia Host: We made a trivia game in which the Voice Assistant generates questions which the User can respond to.
- Translator: We also made a translator, you can pick and choose any language and it will translate accordingly.

Discussion

Some limitations include not being able to tell time or weather outside the local area, and not having full access to all of the internet's information.

Acknowledgments

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