**Background**

Despite worries about job loss, the importance of technology is increasing as AI and IoT help with unforeseen tasks and may eventually replace jobs.

Makena: Sophomore  
Hillena: Senior

**Leo, the Voice Assistant**

- Leo is a voice assistant built on a Raspberry Pi that modifies speech and capabilities but uses artificial intelligence (AI) to process web information to offer replies.

- Leo can be interacted with by asking questions about time, weather, and even turning on a light.

- Leo’s humorous and sassy tone will keep you entertained during conversations, ensuring a lively and engaging exchange of ideas.

**System Design and Implementation**

```python
register_function(set_light_color)  
register_function(get_time)  
register_function(search_locations)  
register_function(get_weather_forecast)  
register_function(get_nytimes_news_headlines)  
register_function(search_news)
```

**Figure 1**: A graph on how the use of ChatGPT has increased, and the use of search engines has decreased.

**Figure 2**: This was our Raspberry Pi setup, along with the speaker and microphone.

**Figure 3**: This is a picture of our code. It shows the code needed for Leo, our assistant to tell time, show the weather, turn on/off lights, and report the news.

**Other Work**

- **Trivia Host**: It will ask continuous questions, like a trivia, about Kendrick Lamar and Drake.

- **Translator**: You can also ask it to translate any words into most languages.

**Discussion / Future Work**

Sometimes, our voice assistant will have hallucinations, ending in wrong answers given to the user. Plus, it’s actions are limited.

**Acknowledgments**

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