Leo, The AI

By: Makena Magee & Hillena Mehari

Samueli Academy & Cerritos High School
Overview

01 Our Team  02 Meet Leo  03 Mechanics

04 Experience  05 Takeaways  06 Conclusion
Makena Magee

I am a rising sophomore attending Samueli Academy. Some of my hobbies include volleyball, track, and taekwondo. The reason I was interested in the ProperData program was because I’m interested in engineering. Last year, I took a course on engineering, but it focused more on physical engineering. I wanted to learn more about the coding side. I also joined to become more prepared on what’s to come next year, in the Engineering 2 class.
I am a rising senior at Cerritos High School. Some of my hobbies include basketball, track & field, and reading. I’m interested in this program because I’m interested in majoring in Computer Science in college as well as applying to UCI. Since my freshman year, I have been taking the computer science pathway at my school and I’ve been interested ever since. This opportunity allowed me to get the knowledge I wanted to learn.
Meet Leo!

**Personality:**
When communicating with Leo, it is an assistant built on a Raspberry Pi that modifies speech and capabilities but uses artificial intelligence (AI) to process web information to offer replies. Leo's humorous and sassy tone will keep you entertained during conversations, ensuring a lively and engaging exchange of ideas.

**Functions:**
Leo can be interacted with by asking questions about time, weather, the news, and even turning on a light. Additionally, he acts as a trivia host, specializing in the beef between Kendrick Lamar and Drake. Leo can also act as a translator, translating words into different languages.
Mechanics

01 This was our Raspberry Pi setup, along with the speaker and microphone.

02 A graph on how the use of ChatGPT has increased, and the use of search engines has decreased.

03 This is a picture of our code. It shows the code needed for Leo, our assistant, to function and do different tasks.

04 This figure is a graph showing what users initially search for when on the internet.
I've overall had a great experience with the ProperData program. I learned so much about AI and IoT. Also, it was really interesting to learn about ChatGPT. I had heard about it, but learning how to use it and the background of how it came to be was really fascinating. Additionally, making my own assistant was fun and intriguing because we were able to customize it how we wanted. Who the assistant was, how it talked, and what it could do.

**Makena:**

During this program, I was able to add more to my knowledge along with the stuff I already knew. So while having an advantage, it was nice to learn more and to play around with our project more. I learned a lot about what goes on behind the scenes with ChatGPT. It was interesting to learn the different types of outputs we could receive with the different inputs one could put, especially when working on Thonny.

**Hillena:**
Thank You!