



# GHOST

# TRACKER



# ASSIGNMENT:

Welcome to Booameter, the leading state of the arc ghost hunting piece of tech equipment. If you love the macabre and are in for quite the paranormal experience this is for you. This tech is run through an ESP32 chip that communicates with an Audri-no program that lets you see if a ghost is near and lets you communicate with the undead. To get the technology working you must follow the following steps:

1. Make sure you device is connected to you're laptop and make sure to run the Arduino program.
2. Start to communicate... the RGB LED will be constantly blinking a red light at a medium to high pace. When a ghost gets near you and touches or covers the sensor you will see the RGB LED turn to green and stay lit. Be careful, that means a ghost is present. However, if the RGB LED is not lit up at all, it means that it is too bright where you are and you probably should not be ghost hunting in the day!
3. If you dare you can also see what ghost you are talking to on your terminal in Audrino. To communicate with a ghost, ask a question and then press the button on the device and

wait for your resonance. (The white LED will be on signifying you have asked a question). If you dare, look at your terminal on your computer and see the name of the ghost that is communicating with you. You may also see what their mood is and what their resonance to your question was. When you are finished, press the button again to end the communication and the light will turn off and you will be ready to contact another spirit.

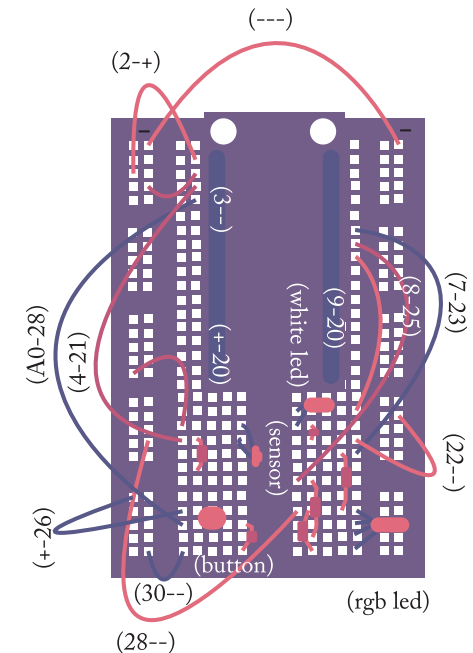
4. Use with caution. Communicating with the spirit world is not for everyone. Use at your own risk.

# AUDIENCE:

This is for avid believers of the spirit realm and those who believe in openly communicating with spirits. Again, please beware and take extreme pre-caution before use. This is not a toy. Take it as seriously as it is instructed. You never know what you are inviting in your home.

# INTERACTION DIAGRAM:

The layout of my ESP32 is as follows: (also refer to directions if confused about use).



(There is also a picture in my Github submission)

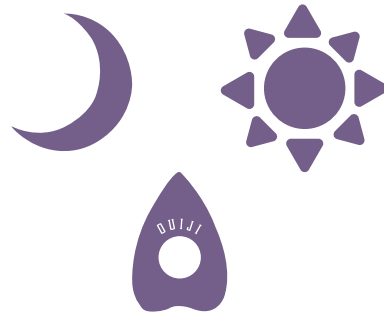
# REFLECTION:

This project was a very fun and engaging. I believe that even with the lack of hardware, I made this project into my own unique creation that I am happy with. I blended my design skills (my strong suit) with my knowledge of the ESP32 and Audrino as well and as creatively as I could. This project was fun to do and eventually I hope to bring aspects of it into my final project to grow it further.

# USER GUIDE:

Welcome to the user guide. If you would like some simple directions, and you don't want to read long directions this if for you.

## WHAT DO I NEED?



You need a location. Duh. Make it your house or your friends house to be most comfortable. If you want to be daring, take it to a haunted location!

Come with a knowledge and understanding of the occult before usage. It is important to ensure your safety.

Start the hunt! see if any ghosts are near. If so, ask questions and see who you are talking to on your computer!

ARE YOU THERE?

YES

NO

