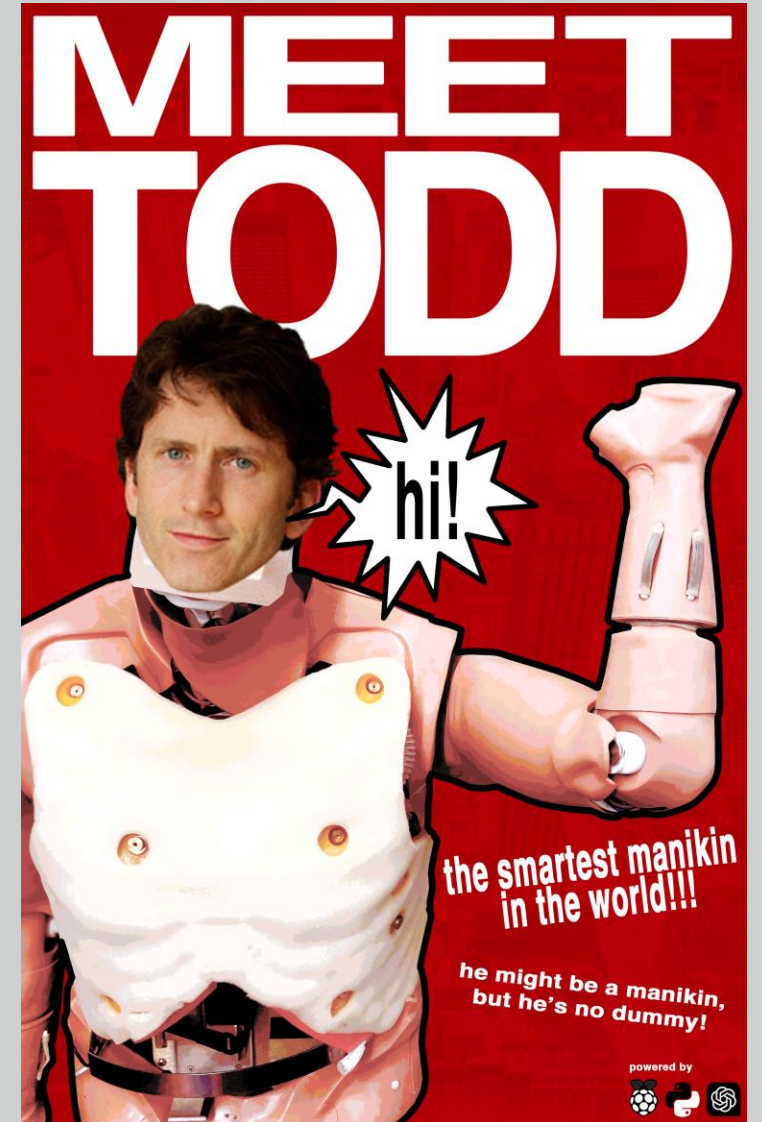


The Todd "Ow"ard Project





Agenda

What we will be covering:

1. Team members
2. Who is Todd?
3. Scope discussion
4. What technology was used
5. What went well
6. What went wrong
7. Challenges we faced
8. What we learned
9. Conclusion/questions

Meet the Team



Ethan McCagherty



Josh Mesic



Leke Shehu

Who is Todd?

- Todd Oward is a combination of Python, speech recognition, Chat-GPT, and a Raspberry Pi.
- It serves as a multipurpose dummy capable of answering questions from users.
- Todd has programmable personalities, making it versatile for various scenarios.
- Initially designed for medical training, specifically for doctors and nurses to practice patient scenarios and bedside manner.
- However, it evolved into more of a mascot for ITAS students.
- Todd "Ow"ard is introduced as the one and only.



Demo

Scope of the project

- The Todd "Ow"ard Project aims to create a nursing dummy that will interface with ChatGPT and simply take user voice input, send that information to ChatGPT and then have ChatGPT's response fed to a speaker.

Tech stack

- Technology that was used:
 1. Todd "Ow"ard Himself
 2. Raspberry pi
 3. USB speaker and microphone
 4. Micro-servo motors
 5. API's including, Chat GPT(openai), Text to speech (google cloud),

What went well?

Overall:

- Refined working together as a group
- Better understanding of workflow and time management
- Finding resources regarding code and usage of API's
- Expansion of our problem solving

What went wrong?

Overall:

- Migration of Python Script from a Windows environment to a Linux environment (Raspberry Pi OS)
- Crontab usage for script execution during boot.
- Initial team communication

Challenges we faced

- Running the code within the raspberry pi environment.
- Learning curve for the first version of the python script.
- Understanding the audio mixer for Linux.
- Challenging to be a project manager

What we learned?

- Expanded Python skills
- Raspberry PI knowledge
- Communication skills
- How to manage and work as a team

Conclusion

- Didn't accomplish all aims, but put in significant effort within time limits.
- Learned to juggle schedules and collaborate effectively.
- Each member gained valuable experience from the project.
- Involved diverse skills and challenges.
- If there are any questions feel free to ask them now!