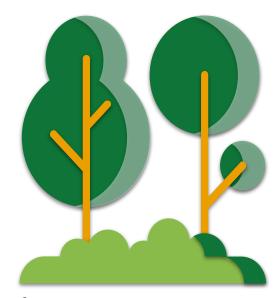


Tropic-AI



A Revolutionary Sustainability Assistant

By Brian Guo

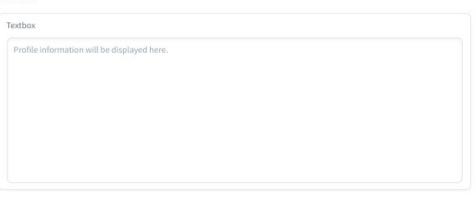
1. Features

- Chat with AI that is trained to respond only to sustainability queries (Ignore off-track stuff)
- Get general and/or personal recommendations, analysis, explanations, etc.
- Save Profile Information so you can have an AI that can work with your situation continuously (New Session even)



Tropic AI: Your Personal Sustainability Assistant

Profile





Chatbot

Okay, let's discuss coffee from an environmental and sustainability perspective. Here are some areas I would consider:

Lifecycle analysis:

- Growing coffee beans requires land, water, fertilizers, and pesticides which can lead to
 deforestation, pollution, and biodiversity loss if not managed properly. However, some coffee
 is grown shade-grown or organically which helps mitigate impacts.
- Coffee processing and roasting requires significant energy and produces waste and emissions. Transporting coffee also produces carbon footprint due to its global supply chain.
 Some options like locally roasting and composting waste can help.
- Coffee packs have additional impacts for materials and waste. Reusable and recyclable
 options are better but still require energy and resources. Waste from pods poses challenges
 for recycling.
- At end of life, most coffee waste can be composted but some may end up in landfills. Proper composting and waste management is important.

Dree and cane

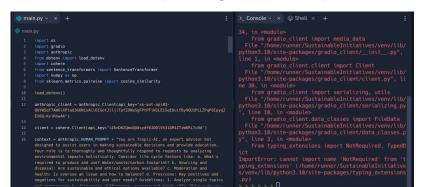
Soda vs. Coffee

Textbox

2. Process

Year	Term	Grade	Туре	Report Title	Report Card
2022- 2023	4th Prg	10	Grade	4th Quarter Progress Report/Informe de Progres	English
2022- 2023	3rd Qtr	10	Grade	3Q Report Card/Boleta de Calificaciones	English
2022- 2023	3rd Prg	10	Grade	3rd Quarter Progress Report/Informe de Progres	English
2022- 2023	2nd Qtr	10	Grade	2Q Report Card/Boleta de Calificaciones	English
2022- 2023	2nd Prg	10	Grade	2nd Quarter Progress Report/Informe de Progres	English

Report Card (Gotta get those As)



- 1. I am a student:
 - Was still in school when I joined the hackathon (Finals Week Even)
 - b. Very new to AI => Had a hard time setting up (Asked around a lot!)
 - Wasn't until the last few days that I was able to really work on my project
- Worked on the project solo => Found the best initial context for Claude Al to work the best (Lots of field tests) => Build the Ul on Gradio => Figured out Hugging Face => Started on Profile

3. Future





1. Better Profile:

- Right now it is pretty basic and does not allow the AI to really adapt
- **2. Search** (More accurate results)
 - a.
 - b. When I initially did the project I was considering using *Perplexity.AI* or *phind* API because they were able to search the web
 - c. Now I'm wondering if semantic search will work
- Hub: Turn into an actual app, not just a Hugging Face Al bot and add calculators & other tools to help individuals with Al

5. Conclusion

- There is a lot of room for me to grow this app and with the Claude AI API I think it will be easy to proceed
 - Even without, it's ok because GPT-3 and other AIs are good enough to power this AI
- There is quite a lot of potential because this is a very niche and underdeveloped sector of apps (BUT ONE that helps with a problem that might end the world!)



