

safeGPT

Haochen, Nathan, Priscilla, Haize





What is safeGPT?

- AI website that helps you to find **the best daily commute route** by smartly avoiding construction zones and heavy cargo traffic

“Imagine a world

where your journey from home to work is

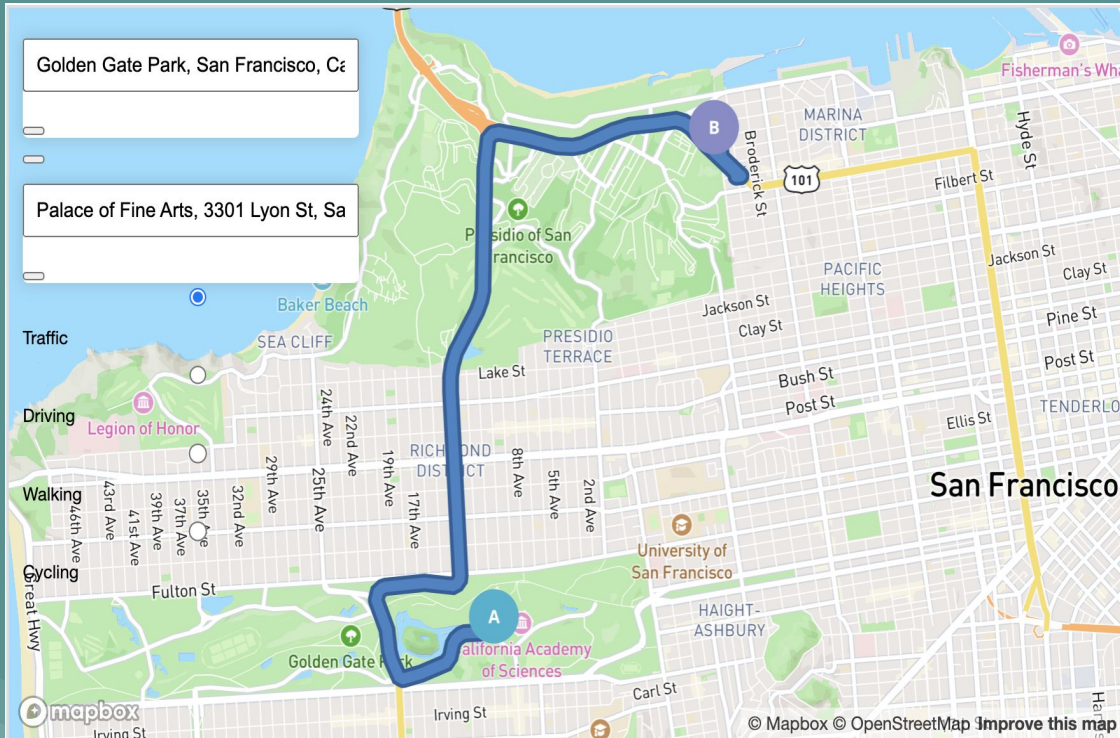
smoother, safer, and stress-free!”



Our Mission

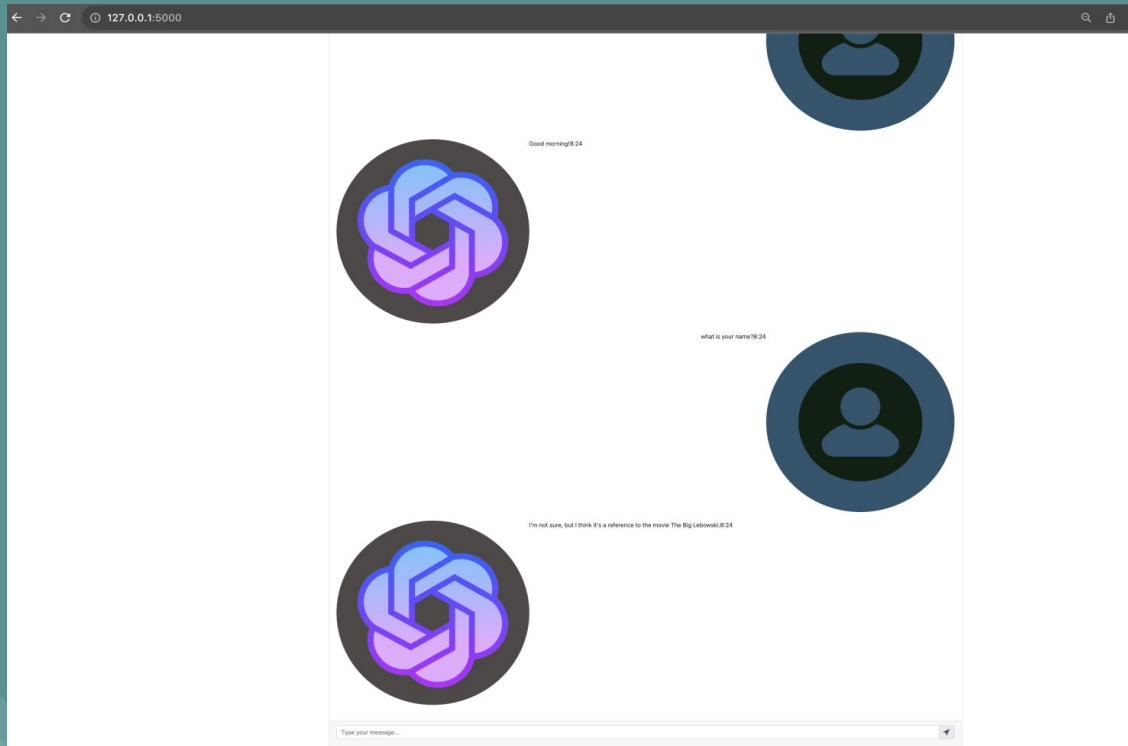
- Drastic reduction in the risk of accidents 
 - Intelligent Route Planning dynamically identifies and steers you away from potential hazards and congested freight routes

Interactive Map



- User is able to input their current location and the address or name of their destination.
- After the points will be indicated on the map. As well as a route.
- User can use between traffic, driving, walking or cycling.
- Thus help user have a visual idea of where they are heading too. But what if they want a better understanding of the route or want to filter the route further?

ChatBox



- ChatBox is a generated AI that we have created using bedrock, python, and langchain to train it to learn about incidents data in San Francisco

- The ChatBox will answer any question regarding routes. Like finding the safest and the most convenient route based on construction, traffic and slowdowns on the road.

Future Improvements and Possibilities

- Implementing a mobile application (iOS/Android)
- Predictive model that indicates the likelihood of getting into an accident
 - Uses training data from factors such as weather, frequency and location of accidents, common truck/freight lines, concerts and/or other big local events, and construction
 - Have the probability of getting into an accident onto a scale and display a message based on the scale
 - Purpose is to incentivize users, especially commuters with children, to take **the route of the least risk and the most safety**



Thank you
Any Questions?