

Vanilla ReAct: Minimalist Agent Framework

A ReAct agent in Python with no framework underneath it: the loop, in the open, against the OpenAI API.

july 9, 2024 · Projects

a react agent in python with no framework underneath it, written when every agent library was adding abstraction faster than i could read it.

react is a small idea. the model reasons about what to do, takes an action, observes the result, and repeats until it decides it is finished. that is a loop, a prompt template, and a way to dispatch tool calls, and it fits on a page against the openai api.

the repository is that page, kept readable. it is not competing with the frameworks; it is meant to be read first, so that when you adopt one you can tell which parts solve your problem and which parts solve the framework's. a lot of what gets called an agent is this loop with retries and logging around it.

[view on github](#)

https://alexnodeland.com/timeline/240709_vanilla-react/