The Inner Workings of JAX

By FORGE

How JAX works

Forge   Chat with Jax   ✕

Hello! I'm **Jax,** your AI companion. What would you like to talk about today?

Type a message...   Send
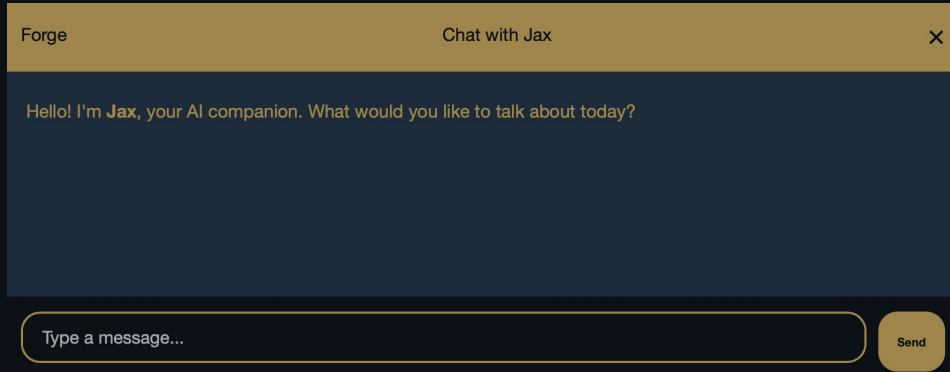
- Built on transformers, fine-tuned for supportive, stigma-free dialogue

- Real-time natural conversation

```python
import openai

def jax_response(user_message, chat_history):
    prompt = f"You are Jax, a supportive AI for men's mental health.\nUser: {user_message}\nJax:"
    response = openai.Completion.create(
        engine="gpt-4o",
        prompt=prompt,
        max_tokens=120,
        temperature=0.7,
        stop=["User:"]
    )
    return response.choices[0].text.strip()
```

```python
from transformers import pipeline

# Load a pre-trained conversational model
jax_ai = pipeline("conversational", model="microsoft/DialoGPT-medium")

def get_jax_reply(user_input, chat_history=[]):
    from transformers import Conversation
    conversation = Conversation(user_input)
    for past in chat_history:
        conversation.add_user_input(past['user'])
        conversation.append_response(past['jax'])
    result = jax_ai([conversation])
    return result[0].generated_responses[-1]

# Example use:
user_input = "I'm really struggling with anxiety and don't know who to talk to."
response = get_jax_reply(user_input)
print(response)
```

```
  status: 429,
  headers: {
    'alt-svc': 'h3=":443"; ma=86400',
    'cf-cache-status': 'DYNAMIC',
    'cf-ray': '9465e3d78e4ae75f-DEN',
    connection: 'keep-alive',
    'content-length': '337',
    'content-type': 'application/json; charset=utf-8',
    date: 'Tue, 27 May 2025 13:34:29 GMT',
    server: 'cloudflare',
    'set-cookie': '__cf_bm=yBwgAVSM9KUckiSkXPY5.rWjeMHahj9v7nYi1ZRx8Dk-1748352869-1.0.1.1-z8KzjDdk49G2PV7JWYtvfA
/; expires=Tue, 27-May-25 14:04:29 GMT; domain=.api.openai.com; HttpOnly; Secure; SameSite=None, _cfuvid=aGXvEqw
enai.com; HttpOnly; Secure; SameSite=None',
    'strict-transport-security': 'max-age=31536000; includeSubDomains; preload',
    vary: 'Origin',
    'x-content-type-options': 'nosniff',
    'x-request-id': 'req_a38a70541690648c8d26b805f623cd75'
  },
  request_id: 'req_a38a70541690648c8d26b805f623cd75',
  error: {
    message: 'You exceeded your current quota, please check your plan and billing details. For more information
.',
    type: 'insufficient_quota',
    param: null,
    code: 'insufficient_quota'
  },
  code: 'insufficient_quota',
  param: null,
  type: 'insufficient_quota'
}
```