

# OpenAI Developer Proposal

## Desktop Pilot Mode - Reintroducing the Analog Hole for Full AI GUI Control

*Author: Theo Rush*

Independent researcher, creative technologist, user of ChatGPT in real-world production workflows (film editing, system maintenance, web development)

I'm not a developer. I'm a user who sees what's possible before it's built.

### Summary

This proposal introduces a simple, transformative idea:

Let ChatGPT become the user on a desktop.

Not through APIs, plugins, or permissions. But through a GUI-level viewport - a trusted, user-consented screen space where ChatGPT can:

- See the desktop (via screen readout or VNC-like capture)
- Control the cursor
- Simulate input (keyboard/mouse)
- React and reason in real-time like a human sitting at the terminal

This approach reintroduces the principle of the analog hole - not for media piracy, but for application autonomy. If it can be seen, it can be used. And ChatGPT finally has eyes and hands.

### Rationale

Most AI products today hit the same ceiling:

They can't act without explicit integration.

They can only advise, not execute.

Their utility is limited by app permission architecture.

# OpenAI Developer Proposal

This idea sidesteps all of it. By using technology already present in accessibility tools (e.g. screen magnifiers, OCR, cursor hooks), ChatGPT can gain OS-level GUI awareness and control without breaking security models or requiring app-specific code.

The proposal is not about circumventing security - it's about giving agency back to the user, who explicitly chooses to let ChatGPT act through a consensual interface.

## Core Components

### 1. Trusted Viewport Interface

- Local-only (no network remote login)
- Uses screen capture or magnifier APIs
- Cursor state mapped for both ChatGPT and user control

### 2. Simulated Input Engine

- Keystroke and mouse event generation
- Informed by context: OCR text, UI elements, cursor location
- Able to launch and close applications, open system panels, manipulate files

### 3. Consent-Gated Activation

- Users opt-in explicitly to Desktop Pilot Mode
- Session logs optionally recorded for transparency and auditability

## Use Cases

- Launching, using, and configuring real desktop apps (e.g. Premiere, Photoshop, JetBrains IDEs)
- Navigating legacy software with no API support
- Running diagnostics, fixing memory leaks, scheduling tasks
- Creating documents, exporting media, batch-processing files across multiple apps
- Operating full workflows without asking the user to follow each step manually

## Strategic Advantages for OpenAI

# OpenAI Developer Proposal

- First-mover control over a capability no competitor has yet built
- A paradigm leap in AI utility: from advisor to operator
- Leverages existing system capabilities (accessibility tech)
- Empowers users across all technical skill levels
- Enables full-stack productivity with no developer integration overhead

## Proposed Implementation Stages

### 1. Internal Prototype:

- Basic viewport + simulated input, constrained to sandbox VM

### 2. Beta Release:

- Windows-only (initial), consent-required, local execution only

### 3. Integration with ChatGPT Desktop App:

- Toggle for 'Desktop Pilot Mode'
- Logs available for review
- Input/output visibility always available to user

## Closing Note from Theo Rush

I don't have venture capital. I don't run a lab. But I use your tools every day, and I see what they could become.

This idea is simple - not because it lacks power, but because it uses what's already there.

I hope it makes a difference.

- Theo Rush