Dall-E 360

By:
Team Immersia
@OpenAI Stack Hack
2023

Problem Statement

- With the technological leap in generative AI, there are countless new businesses and startups which are using AI image generation in their pipeline.

- A non significant amount of these ventures can get supercharged with the ability to convert their 2D images to immersive environments and 3D objects

Our Solution

- A simple and intuitive tool to produce immersive 360° views using Dall-E 2 API as Proof of Concept

- Further iterations include integrating this with unity engine so the immersive environment can be manipulated and populated with 3D objects

Technologies Used

- DAll-E 2
- Vercel
- Panellum

- React
- NodeJS

How It Works

Business Overview

- First to market
  - Existing demand. Verified
  - No other tool offering the same functionalities
- Cutting Edge
  - 2D generated images to 3D environments recently made possible
  - StabilityAI just released something in this domain
- Tested
  - Customer approved

- Simple to use
  - Abstracted Prompt
  - Dropdown options

User Validation

We already planned to implement something in AR in the next month.
You guys doing it just speeds up that process. According to investors, if our tool gets integrated with AR and we can show the room in 3D, our valuation would jump 10x easily.

02:43

🔥

If this works well we'll be happy to run beta tests and be your first clients. This is very much cutting edge stuff you're doing and stabilityAI just released their 3D plugin with Blender so I'm excited to see how you guys do in the coming weeks!

02:45

❤️

"If our tool gets integrated with AR, our valuation will jump 10x easily"
Co-founder
GenAI startup

"We'll be happy to run Beta tests and be your first clients"
Co-founder
NeoLocus

Unexpected Validation

Aether 02/03/2023 22:30
Hey @everyone! We've got some exciting news! 🐱

🧬**Love Stable Diffusion? Love making things in 3D? Why not combine them!**🧬

Introducing **Stability for Blender** - an officially supported, free to use, zero-hassle way to use Stable Diffusion and other upcoming models inside Blender!
With **no dependencies to install** and **no GPU required**, Stability for Blender lets you preform **AI post-processing effects with just an internet connection** - something that previously required owning prohibitively expensive hardware.
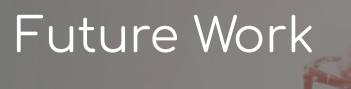
StabilityAI just launched its "Stability for Blender" giving us validation on our use case.

Revenue Model

- Freemium
  - Free Tier:
    - One request a day
    - Limited options
  - Advanced Tier:
    - Custom prompts
    - Unlimited requests
  - Pro Tier:
    - Custom support
    - API support
    - B2B SAAS support

- B2B SAAS
  - 2D to 3D API
  - 2D to AR/VR API

Future Work

- Integration with Blender
- Integration with Unity
- Faithful reproduction of 2D objects in 3D
- Immersive user experience in client environment with ability to manipulate 3D objects like a video game
- API for 2D to 3D
- API for 2D panorama to immersive AR/VR environment
- Including Stable Diffusion, MidJourney etc as sources

The Team

- **Krish**   - Full stack Developer

- **Michael**   - AR engineer, Back End

- **Shan**   - AI engineer

- **Nom**   - Business Lead

- **Rafe**   - Front end developer

- **Faran**   - Front end developer

Working Demo

Thank You!

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