TEXT-DRIVEN GENERATION OF 3D-ANIMATION USING CODE

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INTRODUCTION

WHY GENERATE GRAPHICS THROUGH CODE?

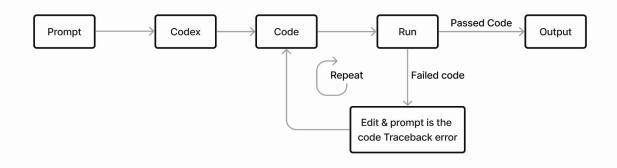
- Laborious task(how to reshape this??Google..Google)
- Reduce barrier to entry(in I want to draw an android, why all this code??)
- Accurate and efficient(
 Why does my sphere have a hole??
 Google..Google)
- How: Achieved by using language model to generate code from simple text prompt

| PROMPT | CODEX | DALL.E |
|---------------------------------------|--------------|--------|
| Planet revolving around another | Solar System | |
| Reversed Cone | IE] Cone | |

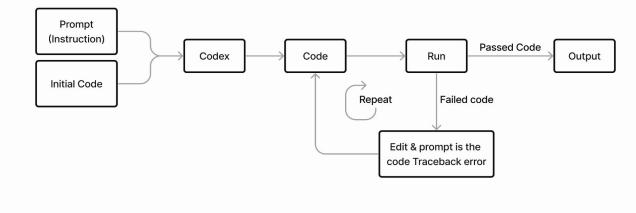
METHODOLOGY

Iteratively repeat until the code runs error free

Code Generation



Edit Existing Code



RESULTS



Make all cars Blue



Add Pedestrians



Spawn Wide Range of Vehicles



Pedestrians Perspective