

Generating High-Quality Photographs

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PROBLEM:

Taking Good Photographs is Hard

Expectation



Reality



SOLUTION:

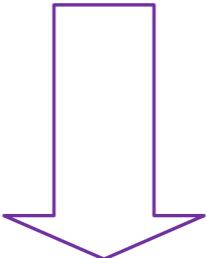
**Use Deep Learning to Detect
Quality Photographs in Videos**



Data Acquisition/Transfer Learning



Dataset:
~100,000 photos



Transfer Learning:
1 → good
0 → bad
Score: ~97%

Processing Video

Frame-by-Frame Analysis



Scene Detection:
<50% cosine similarity
between frames



Generate the best photo
from the past scene

Testing the Model

Best Photos



Worst Photo

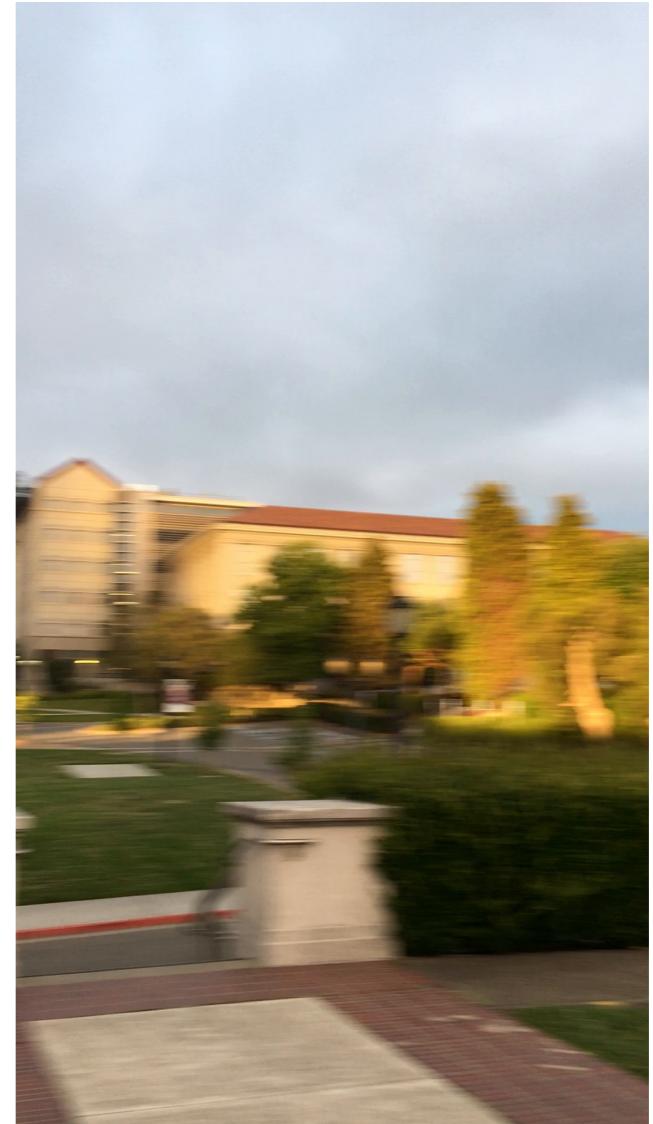


Photo Generator

Never worry about bad photography again!

Get Started

Take a Video



Transfer the video file to your computer.

Upload the Video



Click on **Get Started** to run the video file through
the neural network.

Generate Photos



Save the generated photos for future use!

About Me

B.S. in Chemical
Engineering



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Tech Stack:

 Keras



python™

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 TensorFlow™



github.com/plim0793



Google Cloud Platform

