From Students…
…to Professionals

Alpha Presentation
Synthetic Image Generation via Random Noise

The Capstone Experience
Team CSAA Insurance

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Project Overview

• Insurance industry is evolving to require mass amounts of data

• Problem:
  ▪ Lack of access to image datasets
  ▪ Privacy concerns with image data

• Solution:
  ▪ Utilize AI models to automate dataset generation
  ▪ Provide users ability to fine tune models to fit their specific purposes
System Architecture
Image Generation

Model: Car Model  Number of images: 3

Description: chevy impala

Generate

Download All
Search & Edit Synthetic Images
Creating & Training Models

What do you want the model to produce?

kitchen with water damage

Start Training
Image to Image Generation
What’s left to do?

• Create and store new model weights
• Allow users to select and regenerate a portion of an image
• Integrate glide model onto AWS and the website
• Create more quality of life features for webpage
Questions?