IMAGE TO IMAGE TRANSLATION VIA MACHINE LEARNING

Our Story.

WHAT WE DO

Artificial intelligence and machine learning models

Custom web applications and software development

Simple, intuitive data visualizations and reports

EXPERIENCE

Army AI Integration Center: Massive online big data and AI platform

Phase I and II SBIR/STTRs: Detecting adversarial manipulation of images

How We Achieve Success

DIFFERENTIATORS

7 years in business with 6 Phase I and 2 Phase II SBIR/STTRs

HUBZone-certified small business

Coast-to-coast presence with client in Industry, Academia, Public Sectors
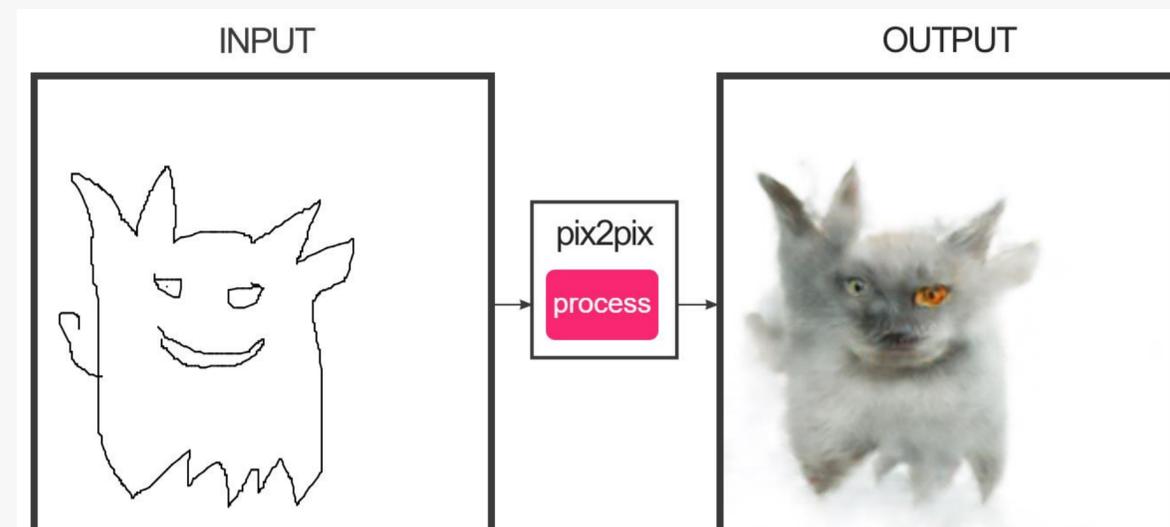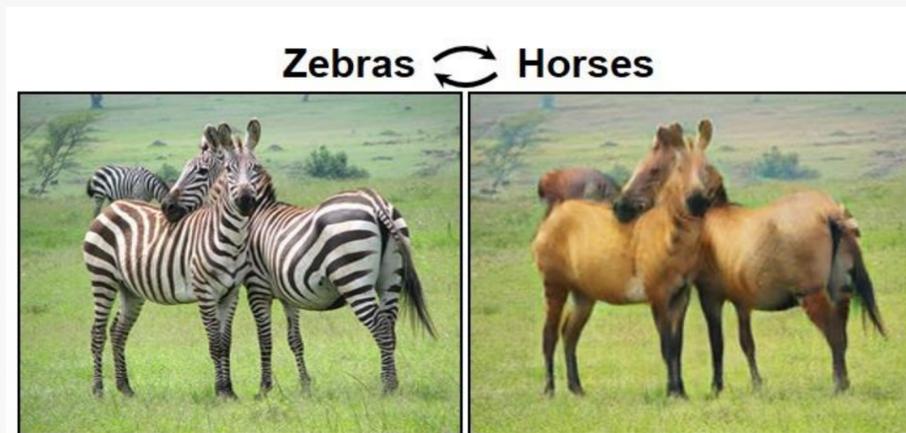
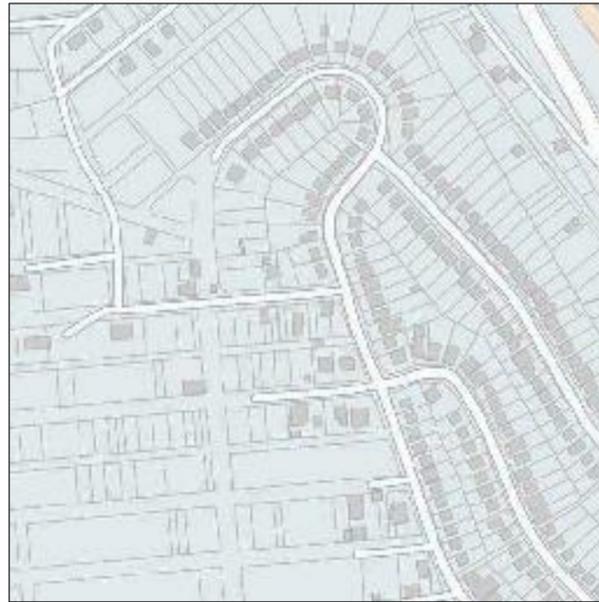# Image to Image Translation

Satellite patch   Predicted street-view panorama

Zebras ⟳ Horses

INPUT   OUTPUT

pix2pix
process

Air Force Phase II STTR

Map   Generated   True

Map to Satellite Image Translation
Generate realistic satellite images based on maps

Statistically Accurate Map Generation
You specify what buildings, vehicles, environments you want
Our software determines the most accurate way to place them

Adversarial Network Increases Realism
Discriminator network tries to tell between generated and true images
Generator network tries to fool the discriminator

WRIVA Use Cases

ORIGINAL IMAGE	NEW IMAGE	USE EXAMPLE
Map 	Satellite 	Training AI Algorithms Predicting Building Facade from Blueprint
Satellite 	Map 	Road Extraction & Route Planning
Satellite 	Ground View 	Predicting Locations of Doors and Windows
Daytime 	Nighttime 	Identifying Lit and Unlit Areas

Contact
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