IMAGE TO IMAGE TRANSLATION VIA MACHINE LEARNING
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

Cat
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

- Training AI Algorithms
  Predicting Building Facade from Blueprint

- Road Extraction & Route Planning

- Predicting Locations of Doors and Windows

- Identifying Lit and Unlit Areas
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