LIGHTNING TALK

VISIMO
Overview

NO 1. VISIMO: COMPANY AND TEAM OVERVIEW
NO 2. PRIOR EXPERIENCE
NO 3. TECHNICAL CAPABILITIES
NO 4. TEAMING & COLLABORATION
VISIMO: COMPANY & TEAM OVERVIEW
WHAT WE DO
Advancing the state of the art through fundamental research and novel applications of AI/ML

OUR PROCESS
Custom software, models, and delivery platforms across a wide range of subject areas and industries with a culture that fosters innovation, flexibility, and adaptability

WHY WE SUCCEED
Models need somewhere to store data; data require a platform to train and execute models - VISIMO specializes in building both...
PRIOR EXPERIENCE
R&D CUSTOMERS AND PROJECTS

Develop a framework and simulation environment for testing AI-piloted drones

Improving object detection algorithms to help drones detect and avoid obstacles

Using CV & NLP, identifying human errors in legal review to prevent incidental casualties

Creation of customizable, fully synthetic satellite images to train ML models

Detect artillery impacts and calculate firing adjustments

Multimodal detection of manipulated images & video

NLP and CV semantic tagging and search algorithms for scientific datasets and academic papers

Estimate Risk and Predict Workplace Accidents
AI/ML Experience

COMPUTER VISION
Developing and training custom models

DATA SIMULATION
Both analytical and machine learning methods

MODEL VALIDATION
Designing and computing metrics

Big Data & Software

MODEL DEPLOYMENT
Deploying machine learning software in cloud environments

DATA/MODEL PLATFORMS
Building smart analysis ecosystems, not just data storage

SECURITY FOCUSED
Experienced with credentialing for DoD customers
Utilize Modern Optical Observatories

Statistical Orbit Determination

- Image Acquisition
- Trail Extraction
- Probability Distributions
- Probability Combination
- Orbit Identification
- Future Location Prediction
TEAMING & COLLABORATION
VISIMO Can Provide...

- Custom AI/ML models and training
- Data simulation
- Large dataset analysis and storage
- Cloud software development services and tools
- Observational astronomy expertise

VISIMO Seeks Partners Who...

- Produce lots of data
- Need an AI/ML edge
- Value collaborating with small businesses
- Have expertise in NASA & IC programs

For both optical and radio SINTRA solutions
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